

CLIMATOLOGICAL DATA FOR NOVEMBER, 1911.

DISTRICT No. 6, MISSOURI VALLEY.

MONTROSE W. HAYES, District Editor.

GENERAL SUMMARY.

Weather that was considerably colder than is usual in November prevailed throughout the district. Over the northern part of the Rocky Mountain slope it was wetter than in the average November, but in the remainder of the drainage area there was no decided departure from the normal. The most marked feature of the month was the cold wave that appeared over Montana on the 8th and affected the entire district before it passed to the east of the Mississippi River. The area of high pressure that caused or was coincident with the cold, covered the Dakotas and Montana on the 10th, and to the south of it, over Colorado, a pronounced atmospheric depression formed. This depression was accompanied by rain and unseasonably warm weather; it moved eastward and northeastward from Colorado and passed into the Mississippi Valley and upper Lake country the afternoon of the 11th, and in its path the cold wave was felt to the greatest extent. The sudden fall in temperature which was accompanied in many places by high winds, thunderstorms, rain with some hail, then sleet and finally snow, was among the most pronounced and abrupt of record. The range between the maximum and the minimum temperatures on the 10th in southern Wyoming, Colorado, and extreme western Kansas, and on the 11th in the Kansas and lower Missouri Valleys was unusually great, especially in Missouri and southern Iowa, where it amounted to 70° at some stations, but this was not so remarkable as the abrupt fall produced by the advance portion of the cold wave. In St. Louis the temperature was 75° at 6.10 p. m. on the 11th, when the change began, and in 10 minutes it had fallen to 49° , and by 1 a. m. of the 12th it had fallen to 17° . A second cold wave crossed the district between the 27th and the 30th, and while the temperatures accompanying it were in some places lower than at any other time during the month, it was not felt to the same extent the former was, as the change to colder was rather gradual. Transportation interests and shippers of perishable produce were most affected by the severe weather of the month. Most outdoor activities were not interfered with to any great extent.

TEMPERATURE.

There was no station in the district at which there was an accumulated excess in temperature. In Montana, northern Wyoming, and the Dakotas the average daily deficiency was 7° to 10° , and in the remainder of the district it ranged between 3° and 6° . In a territory as large as the Missouri River drainage area, in which the range in elevation is so great, it is somewhat unusual to

have temperature departures so uniformly in one direction. Just before the cold wave of the 8th-12th there were several days with a mean temperature above the normal, and during the last third of the month there were a few days with a small departure above the normal, but in the greater part of the month the daily means were low, and the two general cold waves gave means for the month considerably below the seasonal average. The temperatures of the cold wave of the 8th-12th were more than 30° below zero in Montana and Wyoming, and as far to the southeastward as Missouri there were localities in which the thermometer readings were several degrees below zero. In the one of the 27th-30th the lowest temperature of the month occurred in a few widely separated sections, but as a rule the weather was not quite as cold as in the first one. The highest temperature of the month was 83° on the 11th at Crocker, Mo., and the lowest was 36° below zero at Augusta, Mont., on the 11th.

PRECIPITATION.

In the mountain and foothill country to the north of Colorado, in North Dakota and that portion of South Dakota lying to the west of the Missouri River, the precipitation, which was mostly in the form of snow, was above the normal. In the drainage area of the Osage River, in Missouri, it also was greater than the average for November. In the other portions of the district it was either normal or somewhat deficient. There was a great deal of cloudy, threatening weather, and the precipitation was well distributed through the month, but generally there was more during the first 15 days than during the latter half of the month. The greatest amount for the month was 5.55 inches at Corona, Colo., and the greatest in 24 consecutive hours was 1.79 inches at Bolivar, Mo., on the 22d.

Snow was general, but it was light in the lower third of the district. In the Dakotas, Montana, and northern Wyoming it was heavy generally, and was very heavy in some localities. It was drifted by strong and continuous winds and interfered with the operation of railroad trains. The greatest fall for the month was 67 inches at Woodrock, Wyo. At the end of the month the ground was practically bare except in North Dakota, the Black Hills of South Dakota, and in the mountain country. The following are special remarks made by the section directors on snowfall in that portion of the Rocky Mountains drained by the Missouri River:

Montana.—Heavy snows fell throughout the mountain districts, and there was an unusual amount at high elevations at the close of the month.

Wyoming.—The snowfall was unevenly distributed; the greatest amount was in the northwestern part of the State.

Colorado.—Thus far the weather conditions in the mountains have been favorable for the water supply. October was wetter than usual and the ground is filled with moisture. During November the precipitation was in the form of snow, and although the distribution was irregular the amount as a whole was greater than it normally is. At the close of the month the average depth on the South Platte watershed, at an average elevation of 9,000 feet, was 8.9 inches; on the North Platte watershed there was an average depth of 7.5 inches at an average elevation of 8,500 feet.

RIVERS.

Most of the larger streams of the district to the north and west of Nebraska were frozen at the end of the month. The Missouri River at Pierre, S. Dak., froze over on the 13th; this was the earliest closing of record, and the thickness of the ice on the 30th averaged 9 inches. In the lower and open part of the Missouri River the stages were somewhat lower than usual, but they were very uniform, as the precipitation was sufficient to keep the water up to a materially stationary level, but was not heavy enough to cause rises of more than a few tenths. There was some floating ice in the lower river at times during the latter half of the month, but apparently none of it reached St. Louis.

TABLE 1.—Climatological data for November, 1911. District No. 6, Missouri Valley.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Greatest in 24 hours.	Departure from the normal.	Total snowfall, unmerged.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
<i>Wyoming.</i>																				
Arapahoe.	Fremont.	2								0.18		0.07	1.8	4	10	19	1	e.	A. E. Deltz.	
Barnum.	Johnson.	5,500	6							1.23		0.50	14.3	6	13	10	7	w.	Thos. Freeguard.	
Bailey.	Bighorn.	3,862	12	28.5	-3.9	66	19	-24	11	54	0.34	+ 0.20	0.27	3.8	2	21	6	nw.	O. J. Robertson.	
Bennett.	Carbon.	2								0.69		0.17	6.9	9	18	5	7	w.	Chas. C. Young.	
Big Creek Station.	do.	7,500																w.	U. S. Forest Service.	
Burns.	Laramie.	5,400	2																Alex. Haste.	
Casper.	Natrona.	5,101	2	36.5		69	22	-9	11	55	0.95		0.40	9.5	6	15	1	sw.	M. C. Cook.	
Centennial.	Albany.	8,074	8	26.0		46	20	-5	28	34	1.33		0.42	15.1	13	11	18	w.	Louis A. Gregory.	
Cheyenne.	Laramie.	6,088	40	30.4	-4.5	57	20	-9	11	54	0.59	+ 0.18	0.38	6.1	7	11	17	nw.	U. S. Weather Bureau.	
Chugwater.	do.	5,282	10	34.2	-1.9	64	15	-10	12	52	0.60	+ 0.08	20	6.0	3	14	9	w.	A. H. Woolever.	
Clark.	Park.	4,320	5	30.4		54	25	-14	12	50	1.91		0.66	24.5	6	12	15	w.	Chas. A. C. Snow.	
Cody.	do.	5,000	4	27.7		55	20	-21	12	52						12	9	w.	D. A. Tinkom.	
Crazy Creek.	do.	6,828	17.8			42	20	-34	28	62	2.61		0.54	39.5	15	9	3	sw.	Jas. Smith.	
Dome Lake.	Sheridan.	8,821	3	19.2		36	21	-8	26	39	1.75		0.25	35.0	12	10	13	w.	Abe Mills.	
Douglas.	Converse.	4,793	2	29.6		58	20	-17	11	59	0.48		0.17	4.4	5			nw.	Henry C. Miller.	
Dubois.	Fremont.	6,909	4	26.4		49	20	-12	11	43	1.15		0.40	11.5	5			nw.	Dr. F. H. Welty.	
Eaton's Ranch.	Sheridan.	4,600	6	30.3		63	25	-12	11	39	2.30		0.50	23.0	7	14	12	4	nw.	F. A. Eaton.
Echeta.	Crook.	4,200	2															n.	M. R. Hunter.	
Elk Mountain.	Carbon.	6																w.	Wm. Richardson.	
Encampment.	do.	7,322	2	28.0		52	15	-5	29	47	0.48		0.16	8	3	17	5	sw.	U. S. Forest Service.	
Ervay.	Natrona.	6,400	2	26.2		55	21	-13	11	42	0.67		0.20	8.0	5	14	10	6	sw.	Frank Jameson.
Fort Laramie.	Laramie.	4,270	33	33.1	-1.7	63	10 ^t	-11	12	68	1.10	+ 0.76	0.60	11.0	2	14	5	w.	John Hunton.	
Fox Park.	Albany.	9,015	1	31.0		70	21	-8	23	56	2.80		0.48	35.0	8	7	8	w.	U. S. Forest Service.	
Germania.	Bighorn.	4,312		23.4		49	26	-23	12	43	0.30		0.15	6.1	3	18	6	se.	L. E. Watson.	
Gillette.	Crook.	4,546	5	24.5		50	4	-14	11	28	1.80		0.38	18.0	9	11	14	5	n.	S. D. Perry.
Horse Creek.	Fremont.																	w.	U. S. Forest Service.	
Hunters Station.	Johnson.	8,000	5	21.0		49	20	-23	12	54	1.32		0.47	20.0	7	20	3	7	w.	Do.
Hyattville.	Bighorn.	4,632	12	28.5	-7.5	54	20	-19	12	51	0.26		0.20	5.3	3	13	9	8	w.	Wm. Booth.
Jireh.	Converse.	5,050	1								1.00		0.30	10.0	5	10	14	6	nw.	P. L. Ford.
Kirtley.	Park.		7	28.2		54	21	-10	12	53	0.30		0.30	3.0	1	18	5	7	nw.	D. M. Zum Brunnen.
Kirwin.	Crook.	9,187	3															w.	C. L. Tewksbury.	
Knowles.	do.	4,500	2															w.	Geo. A. Knowles.	
Lagrange.	Laramie.	4,510	1	33.8		61	20	-15	12	51	0.30		0.15	2.5	4	20	4	6	w.	Owen Shupp.
Lauder.	Fremont.	5,372	19	26.7	-2.0	57	20	-14	11	48	0.68	+ 0.08	0.30	9.5	6	10	10	10	ne.	U. S. Weather Bureau.
Laramie.	Albany.	7,188	20	27.2	-4.6	54	20	-8	12	36	0.39	+ 0.14	0.15	3.9	8	20	8	2	sw.	University of Wyoming.
Leo.	Carbon.	6,878	10																w.	C. A. Cowdin.
Loloabama Ranch.	Park.	7,052	7	20.1		45	21	-18	28	44	0.49		0.15	22.5	6	11	11	8	w.	Mary E. Painter.
Lovell.	Bighorn.	3,825	6	26.8		51	20	-20	12	38	0.54		0.17	5.5	5	6	13	11	w.	R. Fred Harrison.
Luak.	Converse.	5,007	21	15.7	-4.8	55	5 ^t	-11	11	36									w.	D. E. Goddard.
Manville.	do.	5,050	1															w.	C. A. Sherman.	
Moorscroft.	Crook.	4,111	8	25.3		55	5	-15	12	40	1.43		0.30	11.5	5	12 ^t	9 ^t	8 ^t	sw.	C. T. McCampbell.
Moore.	Albany.	6,000	10	31.0	-6.4	62	13	-9	11	52	0.58	+ 0.08	0.19	5.9	5	10	7	7	w.	Edwin Moore.
Newcastle.	Weston.	4,319	4	26.4		52	4	-19	12	45	1.52		0.50	15.0	7	14	12	4	w.	Dr. S. W. Johnson.
Pathfinder.	Natrona.	5,735	5	28.6		51	21	-20	12	40	0.52		0.14	10.0	5	12	9	9	sw.	U. S. Reclamation Service.
Pinebluff.	Laramie.	5,038	9	32.1 ^t		62	22	-8	12	60	0.31		0.14	3.1	3				w.	C. L. Beatty.
Pine Ridge.	Crook.																	w.	J. E. Altaffer.	
Powell.	Park.	4,376	4	26.8		52	19	-18	23	45	0.31		0.17	3.1	3	5	15	10	sw.	U. S. Reclamation Service.
Rambler.	Carbon.	9,232	1															w.	U. S. Forest Service.	
Rawlins.	do.	6,748	9	26.8		48	20	-9	28	45	1.14		0.36	12.7	10	12	11	7	w.	E. J. Ehrenfeld.
Riverton.	Fremont.	4,960	2	27.1		61	20	-20	12	51	0.17		0.08	3.0	3	18	12	0	e.	F. H. Allyn.
Rocky point.	Crook.																	s.	P. Woxen.	
Saratoga.	Carbon.	6,785	13	27.7	-4.0	51	20	-9	28	41	0.67	+ 0.08	0.28	9.9	10	14	10	6	sw.	G. Frederick Clark.
Seven Mile Creek.	Sheridan.			22.8 ^t		47	3	-7	12	40	0.65		0.15	24.0	5	12	5	7	w.	U. S. Forest Service.
Sheridan.	do.	3,790	16	26.1	-6.3	58	25	-15	12	40	0.58		-0.03	0.37	5.9	10	6	8	sw.	U. S. Weather Bureau.
Shoshone Dam.	Park.	5,385	5	32.2		58	20	-10	11	40	0.73		0.24	12.5	5	10	14	6	w.	U. S. Reclamation Service.
Soldiers Home.	Fremont.	4,635	19	23.8	-11.8	54	21	-23	12	44	1.00	+ 0.51	0.40	10.0	6	13	0	17	s.	Joel C. Smiley.
South Pass City.	Crook.	7,873	9	18.8		44	3	-26	28	43	0.90		0.48	24.4	14	11	8	11	w.	John Sherlock.
Sundance.	Fremont.	4,350	7	27.3		55	3	-17	12	40	0.71		0.34	7.0	5	17	2	11	w.	Geo. W. Ashdown.
Thermopolis.	Sheridan.	4,360	2															w.	A. L. Duhig.	
Verona.	Laramie.	4,360	2															w.	O. A. Roode.	
Wheatland.	Laramie.	3,553	1	35.3		62	15	-11	12	54	0.08		0.03	8.4	4	17	6	7	w.	A. def. Snively.
Winters Ranch.	Garbon.	7,400	1															w.	Ira G. Wiant.	
Wiley.	Park.	5,375	2	27.4		55	20	-18	8	54	0.75		0.20	5.0	6	16	7	7	sw.	Thos. S. Harrison.
Woodrock.	Sheridan.																	w.	U. S. Forest Service.	
Worland.	Bighorn.			24.5		52	47	-26	12	40	0.39		0.20	2.7	4	15	8	7	sw.	Prof. E. Buffum.
Wyncote.	Laramie.	4,207	4	33.2		63	10	+ 12	12	47	0.10		0.07	1.0	2	17	13	0	sw.	U. S. Reclamation Service.
Yellowstone.	Yellowstone Park.	6,200	23	21.2	-8.1	43	20	-15	10	37	2.33	+ 0.89	0.83	23.9	14	5	12	15	s.	U. S. Weather Bureau.
Fairview Dome.	do.	7,000	6	13.6		47	20	-30	28	50	2.23		0.40	20.0	8	17	7	6	sw.	U. S. Army.
Fountain.	do.	7,220	5	18.4		49	1	-25	12 ^t	52	2.93		1.00	22.5	7	4	11	15	w.	Do.
Gallatin.	do.																	w.		
Grand Canyon.	do.	7,900	4	19.8		52	9	-20	12	39	2.48		0.42	45.0	13	11	4	15	n.	Do.
Lake Yellowstone.	do.	7,733	7	17.9		41	1	-18	28	39	1.90		0.40	28.5	8	15	0	15	sw.	Do.
Norris.	do.	7,575	7	16.6		40	20	-22	12	49	2.79		0.37	55.6	18	8				

TABLE 1.—Climatological data for November, 1911. District No. 6—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.								Precipitation, in inches.								Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.				
				Mean.	Departure from the normal.				Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.												
					Highest.	Date.	Lowest.	Date.																					
<i>Montana—Continued.</i>																													
Busby.	Rosebud.	8	23.9		54	7	-20	12	46	0.62					0.17	10.8	10	7	15	8	nw.	Rev. G. A. Linscheid.							
Busteed.	Sweet Grass.	4	29.0		56	8	-24	12	67	0.36					0.11	6.0	6	11	12	7	w.	T. H. Busteed.							
Cabin Creek.	Beaverhead.	2													0.16	10.0	8	17	7	6	n.	W. J. Crowell.							
Canyon Ferry.	Lewis and Clark.	8,644	13	27.3	-5.5	51	14	-16	11	37	0.08	-0.36			0.06	4.0	2	13	5	12	nw.	A. C. Pratt.							
Cascade.	Cascade.	3,361	7	27.8		61	20	-22	11	52	0.87				0.39	7.5	7	9	10	11	sw.	Dr. E. E. James.							
Cheeseman Reservoir.	Lewis and Clark.	5,275	3	23.0		50	20	-27	11	40	1.58				0.55	25.8	11	12	16	16	nw.	C. D. Schmidt.							
Chester.	Cheouteau.	3,140	7	19.1		50	3 ^t	-25	11	40	1.24				0.52	12.4	7	16	2	12	sw.	E. D. Keith.							
Chinook.	do.	2,502	13	18.4	-8.2	55 ^b	3	-19 ^b	11	39 ^b					0.67	14.3	7	10	5 ^a	3 ^a	w.	T. O'Hanion Co.							
Clearcreek.	Lewis and Clark.	6	21.6		54 ^a	3	-17 ^a	9 ^a	47 ^a	1.85					0.73						sw.	Corter Sedgewick.							
Clemmons.	Park.	4,672	1												0.66						w.	Frank Eberl.							
Clydepark.	Teton.														0.18	2.2					w.	Dr. T. B. Marquis.							
Conrad.	Meagher.	6													0.16	10.5					w.	I. S. Martine.							
Copper.	Rosebud.	3,041	30	24.8	-8.2	54	3 ^t	-24	12	47	1.21	+0.43			0.35	8.1	10	3	6	21	nw.	Orville Harris.							
Crow Agency.	Valley.	1,927	8												0.40	6.0	2	15	13	2	nw.	Ira R. Bamber.							
Culbertson.	Teton.	3,700	12	17.0	-9.6	49 ^t	27	-29 ^t	10	44 ^t					0.20	8.2	9	12	8	10	nw.	G. H. Coulter.							
Cut Bank.	Fergus.	3,500	3	25.5		54	3	-22	11	37	0.62				0.45	17.5	7	15	6	9	sw.	P. J. Greisenauer.							
Denton.	Bitterroot.	5,147	14	32.2	-2.8	64	28	-21	10	51	1.76	+0.45			0.34	20.9	11	9	6	15	w.	Prof. J. E. Monroe.							
Dillon.	Meagher.	6,000	2												0.20	5.0	5	4	9	17	w.	Lewis Cameron.							
Dirty Creek.	Broadwater.	5,500													0.30	20.5	9	15	4	11	nw.	J. C. Stuart.							
Dry Creek.	Cascade.	6,000	2												0.31	19.0	14	9	5	16	w.	Mrs. R. J. Eveleth.							
Dry Wolf Camp.	Galatin.	6,000	3												1.57						w.	John Eberhart.							
East Gallatin River.	Elk.	11	25.6	-6.7	53	7 ^t	-18	11 ^t	47						1.19						w.	Wm. Freese.							
Ekakas.	Jefferson.	6,576	3												0.30	16.0	14	4	10	16	w.	Jamey Heagan.							
Fallon.	Custer.	2,208	7	21.5		55	4	-20	12	47	0.10				0.07	1.0	2	11	14	5	w.	Mrs. A. C. Gifford.							
Fish Creek.	Silver Bow.	8,500	2	22.4		40	20	-10	11	36	1.27				0.50	28.0	6	5	19	6	sw.	O. B. Tilton.							
Flathead Creek.	Galatin.	6,000	2	28.2		59	21	-20	11	42	0.89				0.27	7.3	8	4	5	21	nw.	Alta Williams.							
Fort Benton.	Chouteau.	2,680	32	26.4	-5.2	56	25	-17	11	30	0.35	-0.21			0.12	6.0	4	13 ^a	7 ^a	3 ^a	sw.	Jere Sullivan.							
Fort Shaw.	Cascade.	3,500	23	25.2	-7.6	56	2	-25	10	52	0.41	-0.01			0.12	2.5	5	1	13	16	sw.	U. S. Reclamation Service.							
Fort Harrison.	Lewis and Clark.	4,004	8	27.0		55	19	-12	10 ^t	38					0.74		8	11	11	11	sw.	Post Hospital.							
Foster.	Yellowstone.	2	25.0		59	4	-26	12	48	0.50					0.26	4.0	6	11	4	15	w.	E. K. Bowman.							
Garnett.	Fergus.	5,500	3	19.4		43	30	-32	11	35	1.05				0.50	16.5	6	8	5	17	nw.	Thos. E. Scally.							
Glasgow.	Valley.	2,092	15	16.5	-8.7	48	3	-19	11 ^t	37	0.65	+0.04			0.40	5.0	4	15	7	8	w.	W. M. Leonard.							
Glenive.	Dawson.	2,069	21	21.7	7.7	54	4	-13	9	34	0.65	+0.07			0.20	5.4	8	9	13	13	sw.	E. C. Leonard.							
Goldbutte.	Chouteau.	4	21.2		49	24	-18	11	34	0.44					0.13	6.0	12	10	10	10	sw.	Joseph Berthelote.							
Graham.	Custer.	6,700	6	15.8		59	4	-21	12	43	0.62				0.22	16.0	13	6	7	17	nw.	J. S. Rue.							
Grayling.	Galatin.	3,350	20	28.4	-6.1	55	4 ^t	-16	11	44	0.89	+0.05			0.35	18.5	8	14	5	11	ne.	P. Kerzenmacher.							
Great Falls.	Cascade.	3,280	6												0.40	6.6	7	9	14	7	w.	S. H. Bauman.							
Half Way House.	Broadwater.	6,000	2												0.18	7.0	7	10	10	10	sw.	Gordon Deans.							
Harlowton.	Meagher.	4,165	4	25.4		54	20	-30	11	60	0.48				0.35	1.3	6	0	9	21	w.	Joseph Muir.							
Haile.	Chouteau.	2,565	32	21.0	-9.6	54	3	-17	10	38	1.19	+0.42			0.11	11.1	12	7	9	14	nw.	U. S. Weather Bureau.							
Helena.	Lewis and Clark.	4,110	32	27.4	-5.3	50	25	-14	11	42	0.64	-0.08			0.32	11.0	5	7	9	14	w.	W. S. McCord.							
Highwood.	Chouteau.	5													0.90	14.0	7	14	3	13	sw.	U. S. Reclamation Service.							
Huntley.	Yellowstone.	3,014	5	27.8		55	4	-17	11	45	0.57				0.23	5.0	4	7	8	5	w.	Jane McCune.							
Jones Canyon.	Galatin.	6,800	2												0.32	34.0	15	2	13	15	w.	W. C. Henderson.							
Jordan.	Dawson.		18.9												0.40	6.0	3	4	7	5	w.	F. H. Knoble.							
Knublee Ranch.	Chouteau.														0.18	7.0	7	10	10	10	sw.	W. W. Watson.							
Lewistown.	Fergus.	4,010	15	22.6	-9.3	56	3 ^t	-24	10	45	1.32	+0.38			0.20	20	19.2	13	7	15	nw.	E. Wilson.							
Lonetree.	Chouteau.	3,280	6	27.0		57	25	-20	11	47	0.78				0.45	7.0	6	12	7	11	w.	U. S. Reclamation Service.							
Malta.	Valley.	2,240	5	18.9		55	3	-21	11	42	0.38				0.19	4.5	3	17	7	6	nw.	J. S. Collier.							
Medicine Lake.	do.	1	16.3		49	6	-17	23	38	0.18					0.03	1.5	8	20 ^a	0	9 ^a	sw.	E. J. Parkinson.							
Melstone.	Musselshell.	2,903	2												0.87		7	14	9	9	w.	Leon B. Clark.							
Mildred.	Custer.	2,371	20	26.7	-4.2	58	25	-20	12	37	0.95	+0.35			0.10	2.2	3	9	11	10	w.	U. S. Weather Bureau.							
Miles City.	Madison.	4,845	30	30.7		55	14 ^t	-10	11	31	0.53				0.36	7.7	9	11	10	9	s.	Madison River Power Co.							
Norris.	Sweet Grass.	3	26.7		56	5	-18	11	60	0.89					0.25	18.3	7	14	8	8	sw.	F. L. Bryant.							
Nye.	Jefferson.	7,000	7												0.22	12.6	9	1	14	15	w.	Robert Olsen.							
Olsen Creek.	Poplar.	2,020	26	16.1	-10.7	48 ^t	5	-16	12	44 ^t	0.35				0.20	6.5	3	23 ^a	1 ^a	5 ^a	w.	Mrs. T. Kiermeyer.							
Pipestone Pass.	Carbon.	5,548	13	23.8	-8.4	52	20	-15	11 ^t	46	1.39																		

TABLE 1.—Climatological data for November, 1911. District No. 6—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
<i>North Dakota—Con.</i>																				
Edgeley.	Lamoure.	1,468	10	18.0	-12.9	55	4	-11	12	43	0.20	-0.26	0.20	2.0	1	4	8	18	nw.	O. A. Thompson.
Epping.	Williams.	4	10								0.41	0.10	7.0	6	15	5	10	n.	M. B. Uggan.	
Flashe.	Morton.																		w.	W. R. Shortridge.
Fullerton.	Dickey.	1,439	13	16.5	-12.5	51	4	-10	12	30	0.98	+0.38	0.40	0.8	5	8	5	17	nw.	F. C. Alin.
Garrison.	McLean.	1,901	2	16.4		52	4	-13	10	43	0.60		0.20	5.4	7	6	15	9	nw.	G. L. Robinson.
Haley.	Bowman.	4	19.8			55	4	-19	1	54	0.41		0.11	8.0	5	16	5	9	nw.	A. O. Lawrence.
Hettinger.	Adams.	2,253	5	19.9		55	4	-15	1	45	0.40		0.25	6.0	2	11	11	5	nw.	W. R. Lanxon.
Howard.	Williams.	2,275	5	13.6		48	4	-19	10	37	0.95		0.25	9.5	5	11	11	8	nw.	C. P. Amabaugh.
Jamestown.	Stutsman.	1,390	24	17.6	-8.4	57	4	-13	11	40	0.99	+0.18	0.25	7.2	10	12	1	17	nw.	Thos. Pettigrew.
Lemoine.	Kidder.	4																	nw.	E. V. Virgin.
McHenry.	Foster.	1,509	2	15.2		52	4	-18	16	35	0.28		0.10	2.8	5	11	11	8	nw.	John Knox.
Marmarth.	Billings.	4																	w.	S. P. Crane.
Marstonmoor.	Stutsman.	4																	nw.	H. H. McCumber.
Medora.	Billings.	2,225	15	19.6	-9.4	54	17	-18	1	64	1.16	+0.78	0.50	11.6	5	11	4	15	ue.	J. W. Hesser.
Melville.	Foster.	1,590	14	17.4	-10.9	57b	4	-15	15	39b	0.51	+0.22	0.30	3.0	2				nw.	J. P. Kidder.
Mott.	Hettinger.	5	19.2			52	6	-14	1	41	1.62		0.27	14.0	11	13	6	11	w.	O. H. Opland.
Napoleon.	Logan.	1,955	20	16.0	-9.3	57	4	-15	12	43	0.56	-0.26	0.18	6.0	4	13	3	14	sw.	C. J. Hoof.
New England.	Hettinger.	2,400	16																nw.	J. L. McGovern.
New Rockford.	Eddy.	1,531	2																nw.	J. V. M. Sundberg.
New Salem.	Morton.	2,163	5	17.6		55	4	-13	10	34	1.51		0.50	15.0	11	11	6	13	nw.	J. Christiansen.
Orange.	Adams.	3																	nw.	J. E. Goforth.
Schafer.	McKenzie.																			Lundin Bros.
Steels.	Kidder.	1,857	16																	B. C. Smith.
Washburn.	McLean.	1,731	8	18.6		52b	4	-11b	10	40b	0.23		0.13	2.3	2				w.	W. R. Peterson.
Williston.	Williams.	1,875	32	17.0	-8.2	50	4	-14	10	35	1.25	+0.65	0.76	12.1	13	6	13	11	w.	U. S. Weather Bureau.
<i>South Dakota.</i>																				
Aberdeen.	Brown.	1,300	21	18.4	-10.1	55	5	-10	12	43	1.72	+0.84	1.00	17.0	6	12	6	12	nw.	D. G. Gallett.
Academy.	Charles Mix.	12	27.4	-9.2	55	4	-9	12	40	0.34	-0.13	0.08		3.2	7	15	6	9	nw.	I. T. Lothrop.
Alexandria.	Hanson.	1,352	22																	Albert Hill.
Ardmore.	Fall River.	3,557	2																	C., B. & Q. R. R. Co.
Armour.	Douglas.	1,521	15	24.4	-9.9	54	27	-6	12	48										T. J. Markey.
Bellefourche.	Butte.	3,000	3	26.5		56	4	-17	11	44	1.14		0.50	7.5	6	14	10	nw.	U. S. Reclamation Service.	
Brookings.	Brookings.	1,636	22	22.0	-7.7	49	6	-12	23	36	0.24	-0.33	0.08	2.2	5	9	12	9	nw.	Experiment Station.
Bryant.	Hamlin.	1,846																	nw.	J. W. Ault.
Camp Crook.	Harding.	3,000	19	24.0	-7.1	60	5	-13	12	43	0.43	-0.03	0.20	3.6	4	16	9	5	nw.	U. S. Forest Service.
Canton.	Lincoln.	1,248	16	25.6	-8.4	53	7	-6	12	44	T.	-1.03	T.	0	15	5	10	se.	John H. Holsey.	
Cascade Springs.	Fall River.	3,422	3	28.7		50	8	-6	12	38	0.33		0.12	2.2	4	16	5	9	nw.	Fred Noerenberg.
Castlewood.	Hamlin.	1,685	5	20.9		50	4	-9	12	40	0.34		0.10	3.4	10	11	2	17	nw.	M. N. Bradley.
Centerville.	Turner.	1,229	14	27.3	-8.2	53	9	-4	12	46	0.25	-0.53	0.15	2.2	6	4	14	12	nw.	Frank Williams.
Chamberlain.	Brule.	1,363	14	26.7	-8.0	60	3	-5	11	56									nw.	W. B. Van Horn.
Clark.	Clark.	1,779	17	19.8	-10.5	52	4	-12	12	42	1.54	+0.78	0.60	14.0	11	11	9	10	nw.	O. H. LaCraft.
Cottonwood.	Stanley.	2,414	3	28.2		57	4	-5	12	40	0.72		0.25	2.2	6	10	13	7	nw.	Experiment Station.
Custer.	Custer.	5,316																	w.	R. P. Imes.
Davidson.	Perkins.	2																	nw.	G. G. Davis.
Deadwood.	Lawrence.	4,535	2	25.6		54	4	-13	11	41	3.82		0.95	37.0	9	16	4	10	w.	R. E. Grimshaw.
Deerfield.	Pennington.	6,000	2																nw.	Frank E. Miller.
De Smet.	Kingsbury.	1,726	18	23.4	-7.1	52a	4	-8	12	41									nw.	J. O. Purinton.
Dowling.	Stanley.	2,250	2	26.9		57	4	-8	12	35	1.37		0.80	11.5	7	13	8	9	nw.	M. P. Dowling.
Dumont.	Lawrence.	6,195	2																nw.	A. B. Wood.
Eagle Butte.	Dewey.	2,415																	nw.	Dr. John F. Chandler.
Eads.	Potter.																		nw.	A. H. Peterson.
Edson.	Meade.																			J. C. Stoner.
Elk Mountain.	Custer.	4,700	2																nw.	James E. Blaine.
Englewood.	Lawrence.	5,723	2																nw.	T. J. Cummings.
Eureka.	McPherson.	1,884	2	19.2		59	4	-14	12	40	0.88		0.30	8.5	6	13	10	7	w.	Experiment Station.
Fairfax.	Gregory.	7	29.0			59	4	-5	12	45	0.16		0.11	1.8	2	23	3	4	nw.	U. G. Stevenson.
Faulkton.	Faulk.	1,565	16	21.0	-8.6	57	4	-9	12	42	0.40	-0.10	0.28	4.0	3	19	4	7	nw.	Mrs. Belle Talcott.
Flandreau.	Moody.	1,565	21	23.9	-6.6	48	7	-9	12	40	0.20	-0.67	0.08	2.0	4	9	5	16	nw.	W. A. Harris.
Forestburg.	Sanborn.	1,281	19	26.5	-5.5	56	4	-6	12	50	0.64	+0.04	1.7	6.4	6	17	6	7	nw.	S. S. Judy.
Frederick.	Brown.	1,371	3	17.5		53	4	-10a	12	51	4.49		0.38	8.0	5	15	8	7	nw.	J. E. Jeffers.
Gann Valley.	Buffalo.	13																	nw.	A. L. Hanson.
Greenmont.	Lawrence.	6,430	2																nw.	H. C. Hoffbuhr.
Greenwood.	Charles Mix.	10	30.7	-6.0	58	4	-2	12	42	0.27	-0.42	0.07	1.2	2.7	5	11	8	9	nw.	T. C. Williamson.
Hardingrove.	Stanley.	25.0																	nw.	Mrs. Laura Sinclair.
Hardy Ranger Station.	Lawrence.	6,600	2																nw.	Mrs. Ennie A. Gundlach.
Harvey's Ranch.	do.	6,282	1																nw.	Jerome Harvey.
Harmosa.	Custer.	3,278	5	29.6		59	21	-14	11	47	0.47		0.11	5.8	6	17	7	6	nw.	S. M. Booth.
Highborn.	Hyde.	1,890	15	21.8	-11.4	58	4	-13	12	43	0.35	-0.15	0.15	3.1	6	16	4	10	nw.	Experiment Station.
Hopewell.	Stanley.	1	25.4			60	4	-7	12	36	0.85		0.40	8.5	4	15	5	10	w.	E. R. Myers.
Howard.	Miner.	1,564	19	22.8	-8.4	49d	4	-11d	12	45d	0.14	-0.54	0.04	1.2	4	11	12	7	nw.	J. J. Cox.
Howell.	Hand.	9	21.8			60	4	-12	12	50	0.30		0.10	3.6	8	17	5	7	nw.	M. A. Shuster, jr.
Huron.	Beadle.	1,306	29	23.0	-4.4	52	30	-6	12	44	0.26	-0.32	0.06	2.2	10	12	7	11	nw.	U. S. Weather Bureau.
Ipswich.	Edmunds.	1,530	14	19.7	-9.6	59d	4	-11d	11	49d	1.40	+1.02	0.60	14.0	3	11	6	11	nw.	J. B. Taylor.

TABLE 1.—Climatological data for November, 1911. District No. 6—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.			Departure from the normal.			Highest.			Lowest.							
				Date.	Date.	Date.	Date.	Date.	Date.	Date.	Date.	Date.	Date.	Date.	Date.	Number of rainy days 0.01 inch or more.				
South Dakota—Con.																				
Parkston.....	Hutchinson.....	1,400	19	26.4	-5.2	60	4	-3	12	39	0.79	.....	0.29	8.5	5	21	5	4	W. C. Kempfer.
Pierre.....	Hughes.....	1,572	19	26.4	-5.2	60	4	-3	12	39	0.47	+ 0.04	0.26	7.1	5	11	10	9	nw. U. S. Weather Bureau.	
Plankinton.....	Aurora.....	1,528	17	25.0	-5.4	60	3	-16	13	56	0.86	+ 0.15	0.34	5.5	4	13	9	8	sw. W. G. Andrews.	
Pollock.....	Campbell.....	5	17.2	23	-5.4	58	25	-8	12	41	1.40	+ 0.94	0.20	9	15	6	9	nw. J. H. Jones.		
Rapid City.....	Pennington.....	3,251	23	28.2	-11.4	50	7	-9	12	44	0.39	- 0.03	0.25	7.0	3	15	1	14	nw. U. S. Weather Bureau.	
Redfield.....	Spink.....	1,295	13	19.9	.....	.....	.....	.....	1.78	.....	0.40	27.5	12	10	13	7	3	nw. A. S. Hall.	
Rochford.....	Pennington.....	5,228	1	.....	.....	.....	.....	.....	1.78	.....	0.30	11.5	9	11	16	3	3	Mrs. M. E. Diefenbaugh.	
Rosebud.....	Todd.....	2,600	17	27.8	-7.1	59	21	-7	12	40b	1.15	+ 0.49	0.25	8.5	5	21	5	4	nw. W. M. Ege.	
Rosebud Agency.....	do.....	2,600	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. W. Soldier.
Roslyn.....	Day.....	5	17.6	.....	.....	52	4	-11	13	39	1.05	.....	0.40	10.5	6	14	4	12	nw. O. O. Floren.
Selby.....	Walworth.....	3	18.4	.....	.....	51	4	-16	12	34	0.99	.....	0.54	8.0	6	17	6	7	nw. Miss Gertrude Hall.
Sioux Falls.....	Minnehaha.....	1,400	20	25.0	-7.0	50	7	-6	12	39	1.43	+ 0.62	1.00	6.5	7	10	13	7	nw. J. H. Bechtold.	
Sorom.....	Perkins.....	23.4	.....	.....	.....	58	4	-12	1	45	0.42	.....	0.15	4.0	5	10	13	7	nw. M. S. Eberhart.
Spearfish.....	Lawrence.....	3,647	21	27.7	-8.9	53	87	-9	11	38	2.65	+ 2.10	0.80	23.0	8	12	12	3	nw. A. E. Johnson.	
Stephan.....	Hyde.....	1,840	7	24.6	.....	62	4	-8	12	48	0.64	.....	0.25	3.5	6	13	4	13	nw. Rev. A. Mattingly.
Tama.....	Meade.....	2	24.6	.....	.....	62	4	-12	11	39	0.74	.....	0.35	7.0	.....	.....	.....	.....	J. J. Daly.
Timber Lake.....	Dewey.....	2,163	20	20.7	.....	58	4	-10	10	38	0.84	.....	0.26	11.0	8	18	6	6	nw. R. T. Halihan.
Tyndall.....	Bonhomme.....	1,418	14	28.4	-5.9	56	25	-3	12	44	1.42	- 0.26	0.34	8.0	3	18	4	8	nw. F. F. Chladek.	
Vale.....	Butte.....	2,765	3	29.1	.....	58	4	-8	12	48	1.08	.....	0.51	5.5	5	11	5	14	nw. U. S. Reclamation Service.
Vermillion.....	Clay.....	1,222	10	30.4	-7.1	54	25	-3	12	43	0.02	- 1.07	0.02	0.2	1	15	4	11	nw. Prof. E. C. Perisho.	
Waters Ranch.....	Lawrence.....	4,000	1	.....	.....	.....	.....	.....	1.00	.....	0.06	0.03	0.26	2.2	10	14	4	12	nw. George Waters.
Watertown.....	Codington.....	1,735	17	18.6	-9.9	53	4	-9	12	41	0.96	+ 0.33	0.70	7.0	6	12	8	17	nw. Robert Q. Wood.	
Wentworth.....	Lake.....	18	23.5	-6.1	48	7	-8	12	38	0.22	- 0.45	0.09	0.7	4	15	6	9	nw. R. C. Zimmerman.		
Wessington Springs.....	Jerome.....	1,410	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. N. J. Dunham.	
White Lake.....	Aurora.....	1,846	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. G. A. Rogers.	
Yankton.....	Yankton.....	1,234	37	27.7	-5.8	55	25	-3	12	39	0.32	- 0.47	0.09	3.5	0	4	14	12	nw. U. S. Weather Bureau.	
Minnesota.																				
Pipestone.....	Pipestone.....	1,710	11	19.0	-13.5	46	5†	-8	12	35	T.	- 0.88	T.	T.	0	8	3	19	nw. A. L. Doan.	
Colorado.																				
Akron.....	Washington.....	4,650	9	.....	.....	.....	.....	.....	.....	0.20	.....	0.10	3.0	4	.....	.....	.....	.....	Ira M. Barnhouse.
Albion Lake.....	Boulder.....	10,500	1	.....	.....	.....	.....	.....	.....	0.20	.....	0.13	2.5	4	22	3	3	3	Fred R. Dugan.
Arriba (near).....	Lincoln.....	5,243	5	33.8	.....	65	10	-5	12	48	0.20	.....	0.10	8.8	7	15	12	3	nw. C. A. Creel.
Auldhurst.....	Teller.....	8,500	1	.....	.....	.....	.....	.....	.....	0.52	.....	.....	.....	.....	.....	.....	.....	Mrs. Alice A. Auld.	
Bennett (near).....	Arapahoe.....	5,484	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. F. Engelhoff.	
Boulder.....	Boulder.....	5,347	15	37.4	-5.5	68	15	-2	11	57	0.72	- 0.02	0.30	10.0	6	20	5	5	w. Otto H. Waagelin.	
Burlington.....	Kit Carson.....	4,160	8	35.6	.....	64	10†	7	12	57	0.20	.....	0.08	3.0	3	12	13	5	nw. W. P. Davis.
Cassells.....	Park.....	8,445	1	.....	.....	.....	.....	.....	.....	0.45	.....	0.15	6.8	6	16	7	7	e. Mrs. Harriett M. Cassell.	
Castle Rock.....	Douglas.....	6,220	19	32.4	-3.7	68	15	-12b	28	46b	0.53	- 0.05	0.23	9.5	4	18	8 ^b	8 ^b	n. Thos. P. Vaughan.	
Cheeseman.....	Jefferson.....	6,890	8	35.4	.....	64	20	-9	28	50	0.81	.....	0.25	10.0	5	8	22	0	n. J. G. Thornburg.
Cheyenne Wells.....	Cheyenne.....	4,279	14	34.7	-5.0	63	21	-7	12	50	0.25	- 0.28	0.25	2.0	1	26	1	3	n. J. W. Adams.	
Cope.....	Washington.....	14	32.4	-6.4	69	26	-19	12	58	0.59	- 0.15	0.31	6.4	4	14	9	7	nw. A. A. Williams.		
Corona.....	Grand.....	11,660	4	10.3	30	20	-16	12	37	5.55	0.58	0.20	4.7	5	18	7	5	s. U. S. Weather Bureau.
Denver.....	Denver.....	5,272	32	36.4	-2.8	66	10	-12	11	43	0.37	- 0.15	0.15	4.0	3	22	6	2	Do.	
Edgewater.....	Jefferson.....	5,450	3	35.5	.....	67	10	-12	12	52	0.23	.....	0.36	27.0	7	0	10	20	w. Dr. N. P. Levin.
Estes Park Fish Hatchery.....	Larimer.....	8,000	2	.....	.....	.....	.....	.....	1.23	.....	.....	.....	.....	.....	.....	.....	.....	G. H. Thomson.	
Fort Collins.....	do.....	4,985	29	32.2	-3.2	67	25	-11	12	53	0.43	0.00	0.22	5.5	6	17	11	2	nw. Colorado Agricultural College.	
Fort Lupton.....	Weld.....	4,907	1	.....	.....	.....	.....	.....	1.11	.....	0.07	- 0.35	0.25	16.5	6	22	5	3	nw. R. W. Benedict.
Fort Morgan.....	Morgan.....	4,319	13	33.0	-3.4	69	10	-20	12	67	0.05	- 0.32	0.05	1.0	1	15	8	7	nw. Miss Della M. Scott.	
Frances.....	Boulder.....	9,300	6	25.1	.....	54	20	-8	12	38	3.07	.....	0.50	47.5	13	10	12	10	w. C. Barry.
Frye Ranch.....	Larimer.....	7,500	1	30.2	.....	57	20	-2	12	43	0.53	.....	0.24	7.5	6	16	8	6	w. Norman W. Fry.
Georgetown.....	Clear Creek.....	8,550	9	.....	.....	.....	.....	.....	0.60	.....	0.20	9.3	8	8	11	11	11	w. H. L. Corbett.	
Greeley.....	Weld.....	4,649	20	33.4	-5.1	65	10†	-18	12	54	0.37	- 0.16	0.32	4.5	2	19	8	3	nw. Nelson Reynolds.	
Grover.....	do.....	5,076	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	D. M. Porter.	
Hartsel.....	Park.....	8,892	2	.....	.....	.....	.....	.....	1.11	.....	0.07	0.39	0.25	16.5	6	22	5	3	e. Emily Kleinkech.
Hawthorne.....	Boulder.....	6,000	2	.....	.....	.....	.....	.....	1.11	.....	0.07	0.39	0.25	16.5	3	10	3	10	w. B. E. Chesebro.
Holyoke (near).....	Phillips.....	3,745	15	31.4	-4.7	60	20	-1	28	37	0.52	- 0.01	0.20	7.0	7	4	16	10	w. A. Cauble.	
Idaho Springs.....	Clear Creek.....	7,543	11	31.4	-4.7	60	20	-17	28	37	0.23	.....	0.20	3.5	2	23	3	4	n. J. J. Willis.
Keota.....	Weld.....	4,966	20	31.4	-4.7	60	20	-1	28	37	0.52	- 0.01	0.20	8.2	5	11	11	11	i. S. Griffin.	
Leporte.....	Larimer.....	5,063	20	31.4	-4.7	60	20	-17	28	37	0.23	.....	0.15	8.2	5	11	11	11	p. A. Taft.
Leroy (near).....	Logan.....	4,380	22	33.0	0.0	66	9†	-7	11	56	0.39	- 0.01	0.31	7.0	3	24	3	3	Chas. Green.	
Longmont.....	Boulder.....	4,950	10	33.0	-6.0	63	20	-7	12	45	2.07	+ 0.40	0.83	30.0	10	16	6	8	Great Western Sugar Co.	
Longs Peak (near).....	Larimer.....	8,600	16	26.4	-5.2	53	20	-7	12	45	2.07	+ 0.40	0.83	30.0	10	16	6	8	Enos A. Mills.	
Lulu Pass.....	do.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	A. M. McCahan.	
Moraine Park.....	do.....	7,775	21	30.24	-3.5	69	21	-4	23	43d	0.90	+ 0.25	0.50	12.0	4	14d	0d	12d	w. J. D. Stead.	
Platte Canon.....	Jefferson.....	5,492	12	.....	.....	.....	.....	.....	0.05	.....	0.03	0.35	0.15	10.0	5	9	14	7	nw. Denver Union Water Co.
Saint Cloud.....	Larimer.....	7,750	8	.....	.....	.....	.....	.....	0.50	.....	0.05	0.35	0.15	10.0	5	9	14	7	nw. Miss Guilla Sivers.
Sedgwick.....	Sedgwick.....	3,539	3	33.4	.....	67													

TABLE 1.—*Climatological data for November, 1911. District No. 6—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmailed.	Number of rainy days.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
<i>Nebraska—Continued.</i>																				
Bertrand.	Phelps.	2,515	4																W. F. Dobbin.	
Blair.	Washington.	1,122	16	31.0	-7.5	60	9	-1	12	40	0.20	-1.14	0.14	2.2	5	17	8	5	nw.	
Bloomfield.	Knox.	5	27.8			55	25	-5	12	44	0.56		0.30	5.5	10	13	7	nw.	D. C. Van Deusen.	
Bradsaw.	York.	1,715	14									0.22	-0.90	0.20	T.	2	16	11	3	E. C. Roggy.
Bridgeport.	Morrill.	3,658	15	32.1	-4.6	64	21	-10	12	51	0.10	-0.28	0.10	1.0	1	17	9	4	R. H. Willis.	
Broken Bow.	Custer.	2,477	17	31.0	-5.1	60	25	-3	12	58	T.	-0.49	T.	T.	0	19	2	9	C. B. & Q. R. R. Co.	
Bruning.	Thayer.	1,583	1									0.28		0.14	1.0	3	23	2	5	Henry Middendorf.
Burge.	Cherry.	2,674	5	28.6		60	21	-9	12	40	T.		T.	T.	0	10	7	13	H. A. Davis.	
Butte.	Boyd.	5	30.1			58	8	-4	12	44	0.08		0.08	1.0	1				W. Whitia.	
Cairo.	Hall.	1,951																	Elliott Harrison.	
Calaway.	Custer.	2,555	19	35.3	-1.9	64	25	-4	12	51	0.05	-0.51	0.05	0.5	1	18	8	4	J. H. Evans.	
Cambridge.	Furnas.	2,258	5	36.1		64	9	-2	12	45	0.10		0.10	1.0	0				nw.	
Canton (near).	Sioux.	2												0.30	6.0	2			A. E. Hann.	
Columbus.	Platte.	1,442	19	31.0	-3.8	59	25	-1	12	37	0.20	-0.53	0.20	T.	0	18	1	11	A. L. Rush.	
Cozad.	Dawson.	2,496	4																A. A. Lutin.	
Creighton.	Knox.	1,600																	C. L. Cherry.	
Crete.	Saline.	1,368	28	33.4	-5.1	60	9	-7	12	37	0.07	-0.82	0.05	0.5	2	15	4	11	Doane College.	
Culbertson.	Hitchcock.	2,565	25	30.7		62	15	-5	12	50	T.	-0.46	T.	T.	0				J. H. Corrick.	
Curtis.	Frontier.	2,553																	Dr. S. R. Razee.	
David City.	Butler.	1,619	22	32.8	-3.0	58	9	-1	12	40	0.18	-0.76	0.09	0.2	3	15	4	11	S. Clingman.	
Dawson.	Richardson.	945																	Mrs. E. Atkinson.	
Du Bois.	Pawnee.	1,074	7																O. M. Backus.	
Dumas.	Garfield.																		J. M. Kenney.	
Ellis.	Gage.	1,430																	D. J. Wood.	
Elm Creek.	Buffalo.	2,268	4																E. L. Sutton.	
Elea.	Perkins.	3,382	4																J. F. Brittain.	
Ericson.	Wheeler.	2,029	20																J. A. Bodyfield.	
Ewing.	Holt.	1,888	21	28.2		59	7	-4	12	49	0.50	+0.03	0.30	5.0	2				G. H. Benson.	
Fairbury.	Jefferson.	1,316	35																W. F. Cramb.	
Fairmont.	Fillmore.	1,641	19	30.8	-6.6	63	26	-2	12	42	0.22	-0.62	0.15	0.8	2	16	0	14	C. B. & Q. R. R. Co.	
Fort Robinson.	Dawes.	3,764	28	24.0	-11.0	52	6	-14	12	60	0.18	-0.21	0.10	4	17	7	6	w.		
Franklin.	Franklin.	1,820	21	34.5	-3.9	67	26	0	12	46	0.15	-0.53	0.15	T.	1	18	6	6	A. R. Peck.	
Fremont.	Dodge.	1,203	31	31.4	-5.1	60	9	0	12	46	0.15	-0.90	0.10	1.0	2	9	16	5	se.	
Fullerton.	Nance.	1,629	11	30.6		61	9	-2	12	41	0.55	-0.50	0.51	0.5	2				nw.	
Geneva.	Fillmore.	1,633	22	33.8	-4.5	62	26	0	12	49	0.09	-0.85	0.05	0.8	2	15	9	6	sw.	
Genoa.	Nance.	1,584	36	32.0	-3.3	60	25	-1	12	43	0.21	-0.55	0.15	0.5	3	16	9	5	nw.	
Gordon.	Sheridan.	3,550	8	25.5		60	21	-14	12	39	0.47		0.40						E. H. Stoll.	
Gosper.	Gosper.	10																Dr. W. J. Bartholomew.		
Gothenburg.	Dawson.	2,557	18	33.8	-4.2	63	9	-5	11	51	T.	-0.71	T.	T.	0	18	3	9	E. A. Barnes.	
Grand Island.	Hall.	1,860	20	33.0	-4.3	63	9	1	12	40	0.02	-0.72	0.02	0.2	1	15	3	12	Cyrus Carver.	
Grant.	Perkins.	3,405	6	33.1		65	4	-5	12	49	0.20		0.10	1.5	3	12	12	6	Dr. W. Johnson.	
Greeley.	Greeley.	2,021	16	31.6		57	25	-3	12	42	0.34	-0.14	0.13	1.9	6	10	16	4	W. E. Morgan.	
Guide Rock.	Webster.	1,646	12															J. S. Marsh.		
Halsey.	Thomas.	2,695	9	32.4		58	25	1	11	44	0.05	-0.61	0.08	1.2	2	12	13	5	U.S. Forest Service.	
Hartington.	Cedar.	1,309	20	29.2	-4.4	55	25	-3	12	41	0.55	-0.52	0.25	5.5	4	13	7	10	D. E. Ewing.	
Harvard.	Clay.	1,812																Bert Gregg.		
Hastings.	Adams.	1,932	21	31.6	-6.6	65	26	-1	12	39	0.30	-0.42	0.10	3.0	4	17	8	5	C. B. & Q. R. R. Co.	
Hayes Center.	Hayes.	18	33.6			63	4	-2	12	39	0.28	-0.41	0.05	2.2	6	19	6	5	nw.	
Hay Springs.	Sheridan.	3,821	25	28.6	-4.6	56	21	-7	12	38	1.05	+0.42	0.40	10.0	6	10	7	13	A. Kadlecak.	
Hebron.	Thayer.	1,458	26	35.3	-3.8	63	97	1	12	42	0.25	-0.94	0.15	T.	3				Dr. C. M. Easton.	
Hemingford.	Furnas.	4,256	3																A. S. Enyeart.	
Hendley.	Boxbutte.	2,231	7																T. L. Jones.	
Hershey.	Lincoln.	2,902	1																G. F. Palmer.	
Hillside.	McPherson.	3,484	3	31.0		61	4	-6	12	50	0.19		0.09	3.3	6	17	8	5	Mrs. M. R. Lloyd.	
Holdredge.	Phelps.	2,324	21	32.4	-5.4	62	9	0	12	48	0.04	-0.61	0.02	0.5	2	19	7	4	C. B. & Q. R. Co.	
Hooper.	Dodge.	1,228	14	27.8	-8.1	56	67	-4	12	45	0.30	-0.92	0.20	1.0	2	20	1	9	Robt. Malcolm.	
Hull (near).	Banner.	1																City Engineer.		
Imperial.	Chase.	3,278	21	34.4	-3.1	63	4	-4	12	46	0.10	-0.45	0.05	1.5	2	21	11	1	F. J. Bellows.	
Kearney.	Buffalo.	2,146	33.1	-5.4	63	9	-1	12	49	0.25	-0.15	0.20	2.5	2	15	14	1	Mrs. C. Arter.		
Kimball.	Kimball.	4,697	23	32.9	-3.0	64	10†	-8	11	69	0.25	-0.15	0.58	T.	0	19	6	5	Geo. W. Hulse.	
Kirkwood.	Rock.	17	29.9	-4.3	62	4	-6	12	48	T.	-0.58	T.	T.	0				R. L. McGaughey.		
Kowanda.	Garden.	3																Robt. Chadwick.		
Lamar.	Chase.	1																U.S. Weather Bureau.		
Lexington.	Dawson.	2,385	23	33.9	-3.1	61	9†	-4	12	47	T.	-0.53	T.	T.	0	22	0	8	R. T. Kidney.	
Lincoln.	Lancaster.	1,189	30	33.6	-4.4	62	9	2	12	36	0.05	-0.80	0.02	0.5	3	12	9	9	Harriet Hayhurst.	
Lodgepole.	Cheyenne.	3,820	12	33.2	-2.8	63	22	-7	13	62	0.20	+0.01	0.20	2.0	1	16	7	7	C. H. Cass.	
Loup City.	Sherman.	2,067	17	31.4	-5.2	60	25	-3	12	49	0.10	-0.47	0.10	1.0	1	20	5	5	C. G. Cogilizer.	
Loyal.	Custer.	3																L. L. Slagle.		
McCook.	Red Willow.	2,506	18	35.3	-2.2	66	7	-5	12	52	0.05	-0.55	0.05	0.5	1	23	0	7	Dr. F. A. Long.	
McCool Junction.	York.	1,575	13															John Ellis.		
Madison.	Madison.	1,585	19	28.5	-7.2	60	25†	-3	12	37	0.71	-0.16	0.56	1.5	3	5	12	13	G. C. Stuft.	
Marquette.	Hamilton.	1,830	32															J. A. Amsberry.		
Mary.	Brown.	1																A. Kennedy.		
Mason City.	Custer.	2,257																Joel Hull.		
Minatare.	Scotts Bluff.	3,825	2															Mack I. Koser.		
Minden.	Kearney.	2,160	34	32.0	-5.0	63	26	-4	12	45	0.23	-0.69	0.12	0.8	5	14	10	6	Dr. P. H. Salter.	
Minicell.	Scotts Bluff.	3,950	3	32.2		65	10	-15	12	54	0.10		0.07	2.0	2	16	11	3	W. G. Rood.	
Mullen.	Hooker.	3,199		</																

TABLE 1.—Climatological data for November, 1911. District No. 6—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.							Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.			Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.				
					Highast.	Date.	Lowest.																
Nebraska—Continued.																							
Red Cloud.	Webster.	1,687	20	35.3	-3.5	67	26	1	29	47	0.22	-0.54	0.10	T.	6	19	5	6	nw.	Chas. S. Ludlow.			
Saint Libory.	Howard.	1,887	17								0.28	-0.55	0.18	0.5	2	13	11	6	nw.	W. I. Meader.			
Saint Paul.	do.	1,796	19	32.7	-5.7	63	9	0	12	42	0.17	-0.60	0.12	0.5	2	22	3	5	nw.	Paul Anderson.			
Santee.	Knox.	22	32.0	-3.3	58	61	-	2	12	43	0.60	-0.27	0.60	6.0	0	1	16	12	2	se.	Nat H. Neff.		
Sargent.	Custer.	2,339	15	32.0 ^b		59	-	6	12	54	T.	-0.51	T.	T.	0	12	11	7	nw.	J. L. Ferguson.			
Schuyler.	Colfax.	1,357	18	31.2		58	30	-	2	12	54	T.	-0.90	T.	T.	0	17	10	3	nw.	J. T. Sumner.		
Scottsbluff.	Scotts Bluff.	3,888	5	34.4	-10.0	66	10	-	10	12	61	0.03	0.02	0.3	0	1	13	16	1	nw.	A. B. McCoskey.		
Seward.	Seward.	1,435	21	32.5	-6.1	62	8	0	11	40	0.10	-0.94	0.10	0.10	2	5	25	4	1	nw.	C. B. & Q. R. Co.		
Sidney.	Cheyenne.	4,090	19	20	28.2	-6.8	56	4	-	6	12	43	0.50	+0.05	5.0	14	10	6	nw.	John P. Fischer.			
Springview.	Keyapaha.																			C. L. Phelps.			
Stanton.	Stanton.	1,472	20	30.0	-5.3	58	10 ^c	0	29	45	0.86	-0.05	0.60	2.5	4	17	10	3	nw.	Alfred Pont.			
Stratton.	Hitchcock.	2,804	16																	Miss Stella Vennum.			
Superior.	Nuckolls.	1,574																		F. V. Bishop.			
Syracuse.	Otoe.	1,056	19	34.0	-4.6	64	9	2	12	40	0.56	-0.67	0.48	T.	2	14	9	7	nw.	W. N. Hunter.			
Table Rock.	Pawnee.	1,023	22																	E. D. Howe.			
Tecumseh.	Johnson.	1,113	34	36.2 ^b	-3.3	65 ^e	9	2 ^b	12	38 ^e	0.42	-0.79	0.42	T.	1	11	13	6	nw.	F. B. Thurber.			
Tekamah.	Burt.	1,060	20	31.0	-6.2	60	9	0	12	43	0.13	-1.06	0.08	0.8	3	11	16	3	nw.	Dr. A. D. Nesbit.			
Tobias.	Saline.	1,597																	Frank Ainsworth.				
University Farm.	Lancaster.	28		34.9	-4.8	62	9	1	12	38	0.16	-0.85	0.07		3	14	11	6	nw.	S. W. Perin.			
Valentine.	Cherry.	2,613	23	28.1	-5.6	58	21	-	7	12	44	0.05	-0.68	0.03	0.5	3	10	14	6	nw.	U. S. Weather Bureau.		
Wahoo.	Saunders.	1,187	9																	W. T. Mauck.			
Wakefield.	Dixon.	1,387	18	29.4	-6.8	58	25	-	3	12	42	0.93	-0.07	0.50	4.3	2	12	9	9	nw.	I. H. Weaver.		
Walthill.	Thurston.	9	27.8 ^d		58	27	1	2	21	40 ^f	0.28		0.25	T.	1	14	16	0	nw.	A. P. Coleman.			
Watertown.	Buffalo.	2,299	6																R. E. Swift.				
Weaumont.	Chase.	13																	C. D. Fuller.				
Weeping Water.	Cass.	1,080	34	33.3	-6.2	62	9	1	12	44	0.27	-1.01	0.23	0.5	4	20	1	9	nw.	S. W. Orton.			
Westpoint.	Cuming.	1,313	24	31.8	-6.4	68	9	3	12 ^g	42	0.20	-0.81	0.20	2.0	1	18	5	7	nw.	J. C. Elliott.			
Whisen.	do.	1,380	15																F. C. Evans.				
York.	York.	1,633	23	33.6	-4.5	62	9	0	12	44	0.46	-0.71	0.23		3	18	7	5	nw.	A. T. Glauque.			
Iowa.																							
Afton.	Union.	1,212	17	33.4	-3.4	56	26	2	12	37	0.94	-0.29	0.53	T.	3	12	8	10	sw.	N. W. Rowell.			
Allerton.	Wayne.	9	33.4		71	11	2	29	55	1.98		0.58	2.0	9	13	5	12	nw.	Mrs. Geo. Shriver.				
Alton.	Sioux.	1,306	6	27.6		50	9 ^c	4	12	40			0.18	2.5	12	12	6	nw.	W. S. Slagle.				
Atlantic.	Cass.	1,164	20	31.6	-3.8	58	9	0	12	35	0.53	-0.45	0.32	0.5	4	9	7	14	nw.	Thos. H. Whitney.			
Audubon.	Audubon.	1,301	17	30.6	-4.6	55	26	0	12	33	0.70	-0.64	0.6	6	12	7	11	10	nw.	Geo. E. Kellogg.			
Bedford.	Taylor.	11	32.9	-2.5	60	26	1	12	38	1.45	+0.16	0.67	1.8	7	14	6	10	nw.	E. E. Healy.				
Centerville.	Appanoose.	1,042	16	32.6	-6.1	61	11	0	29	51	1.30	0.00	0.55	2.0	5	12	9	9	nw.	Gordon Peacock, jr.			
Chariton.	Lucas.	1,009	21	31.8	-6.0	60	9	2	12	46	1.00	-0.07	0.55	1.0	4	15	1	11	nw.	C. C. Burr.			
Clarinda.	Page.	1,009	21	31.8	-6.0	60	9	2	12	46	1.00	-0.07	0.55	1.0	4	15	1	11	nw.	A. S. Van Sandt.			
Corning.	Adams.	1,117	19	31.6	-5.6	56	9	0	12	42	0.77	-0.43	0.50	T.	2	15	1	14	nw.	Jerome Smith.			
Corydon.	Wayne.	1,101	18			70	11	2	29						7	8	8	14	sw.	May C. Miller.			
Council Bluffs.	Pottawattamie.	1	32.0		62	9	0	12	40	0.60		0.30	3.0	3	11	9	10	nw.	B. W. Crossley.				
Creston.	Union.	1,312	6	30.0		58	26	0	12	47	1.23		0.57	0.5	4	8	7	15	nw.	O. J. Colby.			
Cumberland.	Cass.	12																	J. H. Reppert.				
Denison.	Crawford.	1,180	17	30.4	-5.2	58	9	-	12	38	0.37	-0.64	0.25	T.	2	11	9	10	n.	W. C. Van Ness.			
Elliot.	Montgomery.	6																		Henry Barnes.			
Greenfield.	Adair.	19	30.6	-6.0	57	26	0	12	33	1.02	-0.15	0.45	0.5	3	12	9	9	nw.	R. B. Oldham.				
Harlan.	Shelby.	1,182	12	30.4	-6.8	57	9	0	12	37	0.32	-0.72	0.22	T.	5	8	15	nw.	C. A. Reynolds.				
Inwood.	Lyon.	1,474	7	26.1		50	25	-	6	12	44	0.19		0.05	2.5	4	15	6	nw.	F. B. Hanson.			
Lemoni.	Decatur.	4	33.0		67	11	3	12	56	1.00		0.40	2.5	8	11	2	17	nw.	T. J. Fitzpatrick.				
Larrabee.	Cherokee.	1,266	21	27.6 ^d	-5.3	55 ^c	26	-	6 ^d	12	42 ^f									R. H. Gray.			
Le Mars.	Plymouth.	1,224	15	28.2	-6.3	52	9	3	12	38	0.42	-0.81	0.25		4	7	18	6	nw.	G. A. C. Clarke.			
Lenox.	Taylor.	1,250	16	32.0	-5.9	56	9 ^c	1	12	38	1.47	+0.25	0.67	0.5	7	17	5	8	s.	J. L. Hurley.			
Leon.	Decatur.	1,120	9	31.8		66	11	0	29	52	1.37		0.50	2.0	9	13	3	17	nw.	Morris Gardner.			
Little Sioux.	Harrison.	6	31.4		60	9	0	12	47	0.17		0.07	1.8		3	12	6	12	nw.	Geo. H. Gibson.			
Logan.	Harrison.	928	44	31.4	-4.5	64	26	0	12	40	0.23	-1.02	0.10	0.10	4	8	13	9	nw.	Glenn H. Stern.			
Mount Ayr.	Ringgold.	1,236	18	33.3	-5.6	61	10 ^c	1	12	51	1.91	+0.55	0.88	1.5	6	5	15	10	nw.	A. F. Beard.			
Murray.	Clarke.	20	32.6	-4.1	57	26	2	12	44	1.39	+0.30	0.45	0.45	6	5	15	7	nw.	M. T. Ashley.				
Northboro.	Page.	1,360	21	36.0		62	9	6	12	39	0.70		0.43	1.5	4	14	7	9	nw.	J. M. Darby.			
Odebolt.	Sac.	14	30.2	-6.3	58	26	-	1	12	40	0.11	-1.03	0.06	0.06	1.7	5	16	6	s.	E. Starmer.			
Onawa.	Monona.	1,051	11	32.2	-6.1	58	9 ^c	0	12	42	0.22	-1.26	0.06	0.06	1.7	5	12	11	7	nw.	C. G. Perkins.		
Pacific Junction.	Mills.	960	12	31.2	-7.9	60	9	0	12	38	1.50	-0.79	0.13	1.3	2	13	12	5	n.	H. H. McCartney.			
Rock Rapids.	Lyon.	1,358	22	26.8	-5.1	52	26	-	4	12	42	0.22	-0.84	0.12	2.2	3	11	13	n.	W. C. Wyckoff.			
Sheldon.	O'Brien.	1,422	11	25.6	-10.5	54	9	-	5	12	38	1.07	-0.01	0.20	4.0	11	6	11	nw.	Dr. A. W. Beach.			
Sibley.	Osceola.	1,212	18	24.0	-8.0	52	26	4	12	41	0.52	-0.47	0.18	2.0	5	9	7	14	nw.	H. G. Doolittle.			
Sioux Center.	Sioux.	12	27.1	-8.2	50	9	4	12	38	0.20	-0.51	0.10	2.0	2	11	12	7	nw.	J. de Ruyter.				
Sioux City.	Woodbury.	1,135	22	28.6	-5.7	54	25	-	1	12	39	0.62	-0.35	0.37									

TABLE 1.—Climatological data for November, 1911. District No. 6—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
Kansas—Continued.																					
Goodland.	Sherman.	3,687	4	35.4	-4.7	69	16	-2	12	49	0.60	-0.51	0.08	6.0	4	20*	2*	7	n.	C. C. Calvert.	
Gove.	Gove.	2,750	22	35.1	-4.7	67	9†	-3	29	46	0.08	-0.51	0.08	5	15	8	7	nw.	Jesse Royer.		
Hanover.	Washington.	1,225	14	37.0	-5.8	68	16	4	12	39	0.57	-0.40	0.35	5	16	5	9	nw.	A. Jaedicke, Jr.		
Harrison.	Jewell.	1,804	10	35.3	-3.5	64	16	3	12†	47	0.21	-0.81	0.12	2	22	6	2	n.	Mahlon Tegley.		
Hays.	Ellis.	2,000	33	36.9	-3.5	68	16	1	29	52	0.14	-0.58	0.14	1	18	7	6	nw.	G. K. Heider.		
Hill City.	Graham.	2,134	3	35.3	-9†	65	0	11	44	0.28	-	0.20	2.8	2	17	7	6	nw.	J. L. Crank.		
Horton.	Brown.	1,188	22	36.8	-4.5	64	16	4	12	52	1.05	-0.17	0.60	T.	4	20	4	6	nw.	Mrs. S. C. Belden.	
Hoxie.	Sheridan.	2,700	13	37.0	-3.7	66	15	1	12	41	0.05	-0.63	0.05	0.5	1	16	10	4	n.	I. L. Vining.	
Jewell.	Jewell.	1,540	6	38.4	-	68	6†	2	29	56	0.56	-	0.50	0.5	3	19	3	8	sw.	C. A. Shinn.	
Lawrence.	Douglas.	997	43	38.2	-3.4	73	10†	4	29	61	2.01	+ 0.18	0.49	4.0	6	13	12	5	nw.	Prof. H. P. Cady.	
Leavenworth.	Leavenworth.	913	67	39.4	-2.1	70	11	5	29	53	0.84	-1.25	0.66	0.3	3	20	9	1	s.	Dr. A. F. Yohe.	
Lebanon.	Smith.	1,812	13	35.5	-4.6	65	17†	2	12	44	0.12	-0.77	0.12	T.	1	18	0	12	n.	E. V. Bower.	
Leoti.	Wichita.	3,300	8	36.0	-	68	21	1	12	45	0.33	-	0.23	6.0	2	18	8	4	s.	Fred Burnham.	
Lindsborg.	McPherson.	1,333	5	38.4	-	68	6†	2	29	56	0.56	-	0.75	T.	3	14	3	13	s.	A. J. Frederickson.	
McCracken.	Rush.	2,139	-	38.4	-	68	6†	2	29	56	0.56	-	0.50	0.5	3	19	3	8	sw.	E. D. Floyd.	
Mankato.	Jewell.	1,784	2	36.4	-	67	6†	4	27	42	0.09	-	0.03	0.9	6	18	2	9	nw.	W. F. Isaac.	
Minneapolis.	Ottawa.	1,259	21	37.8	-3.0	71	16	5	29	40	0.87	+ 0.11	0.57	0.5	3	19	2	9	nw.	J. L. Steele.	
Moran.	Allen.	1,098	15	40.8	-4.9	78	11	5	29	60	2.03	+ 0.69	0.69	3.0	7	13	5	12	sw.	C. J. Norton.	
Natoma.	Osborne.	1,834	2	36.5	-4.4	64	9	1	12	35	0.50	+ 0.04	0.50	0.2	1	13	6	11	n.	C. O. Hunt.	
Norton.	Norton.	2,284	13	36.5	-4.4	64	9	1	12	35	0.50	-0.39	0.08	3.5	4	23	3	4	nw.	Sim Siegel.	
Oberlin.	Decatur.	2,539	24	36.0	-	62	9†	3	12	35	0.83	-	0.62	0.8	8	14	5	11	nw.	I. K. Huber.	
Oketo.	Marshall.	1,194	3	35.2	-	62	9†	3	12	35	0.83	-	0.66	5.0	8	14	5	11	nw.	J. A. Church.	
Olathe.	Johnson.	1,032	16	38.1	-6.6	76	11	3	29	62	1.77	-0.14	0.44	3.8	4	16*	1*	11*	n.	Dr. S. B. S. Wilson.	
Osage City.	Osage.	1,081	12	36.5	-	73	10	-	-	-	1.15	-0.72	0.44	-	-	-	-	-	n.	W. C. White.	
Ottawa.	Franklin.	926	17	37.0	-3.0	65	9	0	12	43	0.12	-0.44	0.05	1.2	3	19	4	7	nw.	H. F. McDougal.	
Phillipsburg.	Phillips.	1,939	20	37.0	-3.0	65	9	0	12	43	0.12	-0.44	0.05	1.2	3	23	1	6	n.	N. E. Bailey.	
Plainville.	Rooks.	2,156	5	38.8	-	77	11	6	29	56	1.81	-	0.46	0.5	7	17	6	7	sw.	P. D. Spellman.	
Pleasanton.	Linn.	862	9	38.8	-	77	11	6	29	56	1.81	-	0.46	0.5	7	17	6	7	sw.	B. F. Blaker.	
Republic.	Republic.	1,495	8	36.7	-	70	16	0	29	50	0.25	-	0.25	T.	1	18	4	8	nw.	J. W. Ambrose.	
Russell.	Russell.	1,834	12	36.0	-6.5	72	16	0	29	52	T.	-0.94	T.	0	18	4	8	nw.	Robert Brebner.		
Russell Springs.	Logan.	1	38.8	-	69	15	-	2	12	51	0.07	-	0.05	0.8	2	20	4	6	nw.	D. J. Hutto.	
Saint Francis.	Cheyenne.	3,288	3	35.9	-	68	15	-	1	12	48	0.16	-	0.11	1.0	4	16	8	6	nw.	J. E. Uplinger.
Salina.	Salina.	1,227	27	38.4	-4.8	68	16	7	29	38	0.98	+ 0.21	0.40	T.	4	14	8	8	s.	Prof. A. W. Jones.	
Scott.	Scott.	2,971	5	38.9	-	72	15	1	29	49	0.82	-	0.58	6.0	2	15	11	4	n.	J. B. Loughran.	
Smith Center.	Smith.	1,800	1	38.4	-	73	10	-	-	-	0.05	-	0.05	0.5	1	22	3	5	nw.	W. H. Nelson.	
Topeka.	Shawnee.	997	23	38.5	-3.2	73	10	7	12	58	0.96	-0.30	0.65	2.0	7	12	11	7	s.	U. S. Weather Bureau.	
Valley Falls.	Jefferson.	913	12	37.0	-4.1	67	11	2	12†	56	1.81	-	0.69	5.0	7	12	11	7	s.	Miss Nettie Maxwell.	
Vinland.	Douglas.	880	2	36.7	-	70	11	0	12	41	0.07	-0.60	0.07	1.0	1	20	4	6	nw.	A. Schick.	
Wakeeney.	Trego.	2,456	28	36.6	-4.1	68	15	1	12	41	0.07	-0.60	0.07	1.0	1	10	17	3	sw.	A. S. Peacock.	
Wallace.	Wallace.	3,303	41	36.8	-	71	21	-	3	12	51	0.09	-0.38	0.09	3.0	1	16	9	5	n.	M. T. Griggs.
Wamego.	Pottawatomie.	1,002	18	38	-	-	-	-	-	-	1.30	+ 0.10	0.75	2.0	5	16	9	5	n.	M. L. Stone.	
Missouri—Continued.																					
Amoret.	Bates.	850	3	40.3	-	79	11	8	12	60	1.50	-	0.71	T.	4	12	11	7	nw.	Darby Fruit Farm.	
Appleton City.	Saint Clair.	853	22	40.0	-5.3	82	11	8	12†	60	2.34	-	0.67	1.5	6	10	11	9	sw.	T. C. Brown.	
Arthur.	Vernon.	767	20	42.3	-2.1	82	11	8	29	60	1.75	-	0.58	T.	5	17	7	6	nw.	J. T. Armstrong.	
Avalon.	Livingston.	267	36.4	-7.2	77	11	1	29	56	2.90	+ 0.77	1.20	1.0	6	16	3	11	nw.	F. G. Ashbaugh.		
Bethany.	Harrison.	881	21	34.8	-9.0	68	11	4	29	52	1.33	-	0.56	0.2	4	13	5	12	sw.	W. H. Skinner.	
Bolivar.	Polk.	1,070	24	41.5	-5.1	81	10	7	29	50	3.18	+ 0.44	1.79	0	5	15	12	3	sw.	A. C. Fink.	
Boonville.	Cooper.	600	34	38.8	-4.9	79	11	6	29	35	2.48	+ 0.45	0.87	1.0	7	13	6	11	nw.	C. Randecker.	
Brunswick.	Chariton.	652	34	36.8	-4.9	79	11	6	29	35	2.48	+ 0.45	0.87	1.0	7	13	6	11	nw.	Louis Benecke.	
Clinton.	Henry.	800	25	41.2	-	80	11	10	12	58	3.10	+ 0.17	1.10	0	6	8	14	8	nw.	A. E. Berwent, M. D.	
Columbia.	Boone.	784	23	37.7	-4.7	82	11	6	29	69	2.49	+ 0.18	1.01	2.8	8	11	10	9	s.	U. S. Weather Bureau.	
Conception.	Nodaway.	982	29	34.8	-6.1	65	11	2	12	55	1.23	-	0.67	1.7	7	10	10	10	nw.	Fr. Adhelm Hess.	
Crocker.	Pulaski.	1,121	21	41.8	-	83	11	9	13	65	4.63	-	1.37	0.5	5	16	4	10	se.	Ira H. Stephens.	
Eldorado Springs.	Cedar.	750	7	40.0	-	69	16	8	29	52	2.39	-	1.14	1.0	4	12	3*	9	sw.	Samuel Graham.	
Fayette.	Howard.	725	29	36.7	-6.1	80	11	4	28	47	2.45	+ 0.18	0.71	0.3	7	13*	6*	10	nw.	Prof. T. Berry Smith.	
Fulton.	Callaway.	818	21	39.8	-5.1	80	11	5	29	48	2.35	+ 0.45	0.94	4.0	8	16	2	12	nw.	Russel Johnston.	
Glasgow.	Howard.	618	35	34.8	-	82	11	6	29	48	2.35	+ 0.45	0.94	4.0	8	16	2	12	nw.	J. J. Shaughnessy.	
Grant City.	Howard.	1,130	20	34.9	-	57	6	2	12	32	1.47	+ 0.04	0.55	3.0	7	14	4	15	nw.	W. H. Campbell.	
Harrisonville.	Cass.	912	39	36.7	-5.3	79	11	5	30	40	1.91	-	0.11	1.11	6	11	4	15	nw.	A. J. Sharp.	
Hazelhurst.	Livingston.	19	-	-	-	-	-	-	-	-	1.67	-	0.02	0.43	1.5	9	-	-	nw.	W. H. Baker.	
Hermann.	Gasconade.	482	38	38	-	-	-	-	-	-	2.44	-	0.63	0.71	8	11	9	10	nw.	C. T. Maushund.	
Houston.	Texas.	1,280	20	40.8	-5.2	79	11	7	12	63	2.00	-	0.65	1.0	7	13	12	5	s.	E. Dempsey.	
Jefferson City.	Cole.	628	31	36.7	-7.4	80	11	6	29	39	2.19	-	0.67	0.72	0.7	8	17	0	13	nw.	Miss Emma Swift.
Kansas City.	Kansas.	963	29	39.0	-2.5	76	11	6	12	65	2.17	+ 0.32	0.61	2.6	9	8	11	11	nw.	U. S.	

TABLE 2.—*Daily precipitation for November, 1911. District No. 6, Missouri Valley.*

Stations.	Watershed.	Day of month.																												Total.			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
<i>Wyoming.</i>																																	
Arapahoe.	Bighorn.					.04																											0.18
Barnum.	Powder.	.04				.15	T.																									1.23	
Basin.	Bighorn.																															0.34	
Bennett.	North Platte.	.03				.08	.05																									0.69	
Big Creek Station.	do.																																
Burns.	South Platte.																																
Casper.	North Platte.																																
Centennial.	do.	.17				T.	.42																									0.95	
Cheyenne.	South Platte.	.08	.01			T.	.05																									1.33	
Chugwater.	North Platte.	T.																														0.59	
Clark.	Yellowstone.	T.																														0.60	
Cody.	Bighorn.																															1.91	
Crazy Creek.	Yellowstone.																															2.61	
Dome Lake.	Tongue.	.25	.26																														
Douglas.	North Platte.	T.																														0.48	
Dubois.	Bighorn.	10																														1.15	
Eatons Ranch.	Tongue.																															2.30	
Echets.	Powder.																															2.13	
Elk Mountain.	North Platte.	.10	.09																													2.06	
Ervey.	Powder.	T.																														0.48	
Fort Laramie.	North Platte.																															1.06	
Fox Park.	do.																															1.10	
Germany.	Bighorn.																															2.90	
Gillette.	Powder.																															0.30	
Horse Creek.	Bighorn.																															1.80	
Hyattsville.	Hyattsville.	.08	.47																													1.32	
Jireh.	Bighorn.		.05																													0.20	
Kirtley.	Niobrara.		.10	.20																												1.00	
Kirwin.	Bighorn.																															0.30	
Knowles.	Cheyenne.	T.																														1.89	
Lagrange.	North Platte.	T.																														0.80	
Lander.	Bighorn.	.02																														0.68	
Laramie.	North Platte.	.02																														0.39	
Leo.	do.																															0.49	
Lolabama Ranch.	Bighorn.																															0.54	
Lovell.	do.																																
Luak.	Niobrara.																															0.53	
Manville.	do.	.05																														1.43	
Moorcroft.	Cheyenne.		.03																													0.58	
Moore.	North Platte.	.05																														1.52	
Newcastle.	Cheyenne.		.02	T.																												0.52	
Pathfinder.	North Platte.	.03																														0.31	
Pine Bluff.	South Platte.																															0.31	
Pine Ridge.	Cheyenne.	T.																														1.14	
Powell.	Bighorn.																															0.17	
Rambier.	North Platte.																															1.09	
Rawlins.	do.	T.																														1.09	
Riverton.	Bighorn.	.08																														0.67	
Rocky point.	Powder.		.05	.03																											1.00		
Saratoga.	North Platte.	T.																														0.67	
Seven Mile Creek.	do.	10																														0.65	
Sheridan.	Tongue.		T.																													0.58	
Shoshone Dam.	Bighorn.																															0.73	
Soldiers Home.	Powder.	10																														1.00	
South Pass City.	North Platte.	T.																														1.90	
Sundance.	Cheyenne.		.05	.06																												2.23	
Thermopolis.	Bighorn.																															0.71	
Verona.	Tongue.		.01																												0.70		
Wheatland.	North Platte.	.03																														0.08	
Winters Ranch.	do.		.05	.02																											0.30		
Wiley.	Bighorn.	.10	.10	.10																											0.75		
Woodrock.	Tongue.	.07	.16	.50																											5.00		
Worland.	Bighorn.		.12																													0.39	
Wyncote.	North Platte.																															0.10	
Yellowstone Park.	Yellowstone.	T.																														2.33	
Fairview Dome.	do.		.02																													2.23	
Fountain.	Gallatin.	.15																														2.93	
Gallatin.	Gallatin.		.15	.20																											3.00		
Grand Canyon.	Yellowstone.		.10	.25	.42	.10	T.																								2.01		
Lake Yellowstone.	do.		.05	.30	.20																										2.48		
Norris.	do.																															1.90	
Riverton.	Madison.		.08	T.																												2.79	
Sylvan Pass.	Bighorn.	.03																														2.95	
Thumb.	Yellowstone.		.10																													2.67	
Tower Falls.	do.		.14																													1.04	
Upper Geyser Basin.	Madison.	T.																															

TABLE 2.—*Daily precipitation for November, 1911. District No. 6—Continued.*

Stations.	Watershed.	Day of month.																												Total.						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
<i>Montana—Contd.</i>																																				
Chester.	Marias.			.12						.20																								1.24		
Chinook.	Milk.										.10																							1.85		
Clearcreek.	do.			.67						.10																								0.73		
Clamons.	Missouri.			.02						.01																								0.66		
Clydepark.	Yellowstone.	.01		.02						.04																								0.22		
Conrad ||.	Marias.																																		0.22	
Copper.	Missouri.			T.						.03																								0.67		
Crow Agency.	Bighorn.			.03						.08																								1.21		
Culbertson.	Missouri.										T.																								0.60	
Cut Bank.	Marias.																																			
Denton.	Missouri.										T.																								0.62	
Dillon.	Jefferson.										.11																								1.76	
Dirty Creek.	Missouri.	T.									.18																								1.91	
Dry Creek.	do.			.04						.07																								0.54		
Dry Wolf Camp.	do.			.05						.10																								0.60		
East Gallatin River.	Gallatin.	.02		.18						.14																								1.57		
Ekalaka.	Little Missouri.																																			
Elkhorn.	Jefferson.			T.						.06																									1.19	
Fallon.	Yellowstone.										.28																								0.19	
Fish Creek.	Jefferson.			T.						.12																									1.27	
Flathead Creek.	Yellowstone.										.08																								0.89	
Fort Benton.	Missouri.										.06																								0.35	
Fort Shaw.	do.										T.																								0.41	
Foster.	do.										.07																								0.50	
Garnell.	do.	.15									.20																								1.65	
Glasgow.	Milk.																																			0.65
Glaudive ||.	Yellowstone.										.05																									0.65
Goldbutte.	Marias.			.20						.10																									0.44	
Graham.	Powder.			.02						.10																									0.62	
Grayling.	Madison.	.05		.04						.09																									1.09	
Great Falls.	Missouri.			.12						T.																									0.89	
Half Way House.	do.									.34																									1.58	
Harlowton.	Milk.										.20																								0.48	
Havre.	Milk.			.07						.01																									1.19	
Helena.	Missouri.			T.						T.																									0.64	
Highwood.	do.			.06						.05																									1.59	
Huntley.	Yellowstone.										.23																								0.57	
Jones Canyon.	Gallatin.	.32		.32						.05																									2.76	
Jordan.	Missouri.										.17																								0.60	
Knobles Ranch.	Milk.			.17						.05																									0.74	
Lewis town.	Missouri.	.06		.04						.03																									1.32	
Lometree.	do.									.03																									0.78	
Malta.	Milk.									T.																									0.38	
Medicine Lake.	Missouri.									T.																									0.18	
Melstone.	do.										.02																									
Mildred.	Yellowstone.										.02																									0.21
Miles City.	do.										.16																								0.95	
Norris.	Madison.										.09																								0.53	
Nye.	Yellowstone.	T.									.05																								0.89	
Olsen Creek.	Jefferson.	.01		.22						.05																								0.55		
Pipestone Pass.	do.	T.		.02						.04																								0.87		
Poplar.	Missouri.										.05																								0.35	
Red Lodge.	Yellowstone.			.03							.27																								1.39	
Ranova.	Jefferson.			.04							T.																								0.27	
Ryegate.	Missouri.										T.																								1.23	
Seville.	Marias.										.60																								1.30	
Shalby.	do.										T.																									
Sidney.	Yellowstone.	.05									.16																								0.80	
Spokane Ranch.	Missouri.										.08																								0.21	
Springbrook.	Yellowstone.										.47																								1.71	
Stearns.	Missouri.			.03							* * *																								1.23	
Sunlit Farm.	Milk.										.29																									

TABLE 2.—*Daily precipitation for November, 1911. District No. 6—Continued.*

Stations.	Watershed.	Day of month.																													Total.			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
North Dakota—Con.																																		
Medora.	Little Missouri.					.01			.10	.50		.10	T.	T.	.45	T.					T.											1.16		
Malville.	James.					.21			.18	.27			T.	T.	.03	.27	.06	.12	.21	T.		T.									.51			
Mott.	Cannon Ball.					.22			.08	.20																						1.62		
Napoleon.	Missouri.					.18																										.56		
New England.	Cannon Ball.																																	
New Rockford.	James.																																	
New Salem.	Heart.					.03			.10	.50	.05		.05	.40	.10																1.51			
Orange.	Cannon Ball.																																	
Schaefer.	Little Missouri.																																	
Steale.	Missouri.																																	
Washburn.	do.																																	
Williston.	do.																																	
South Dakota.																																		
Aberdeen ||.	James.	T.				.02																										1.72		
Academy.	Missouri.	.05				.01																										0.34		
Alexandria.	James.																																	
Ardmore.	Cheyenne.																																	
Armour.	Missouri.																																	
Belle Fourche.	Cheyenne.																																	
Brookings.	Big Sioux.																																	
Camp Crook.	Little Missouri.																																	
Carlton.	Big Sioux.																																	
Cascade Springs.	Cheyenne.	.06																															0.33	
Castilewood.	Big Sioux.	.02				T.	.01																									0.34		
Canterville.	Missouri.	.02	.01		T.	T.																										0.25		
Chamberlain.	do.																																	
Clark.	James.	.10																															1.54	
Cottonwood.	Missouri.																																0.72	
Custer.	Cheyenne.																																1.40	
Davistown.	Owl.																																	
Deadwood.	Cheyenne.																																	
Dearfield.	do.																																	
De Smet.	James.																																	
Dowling.	Cheyenne.	.05																																1.37
Dumont.	do.																																	3.88
Eagle Butte.	Grand.	T.																															0.67	
Eales.	Missouri.	.04																															1.10	
Edson.	Cheyenne.																																	
Elk Mountain.	do.																																	0.73
Englewood.	James.																																	4.10
Eureka.	Missouri.	T.				.40			.50	.04																						0.88		
Fairfax.	do.																																	0.16
Faulkton.	Cheyenne.																																	0.40
Flandreau.	Big Sioux.																																	0.20
Frederick.	James.	.15																																4.49
Gaunvalley.	Missouri.																																	3.91
Greenmont.	Cheyenne.																																	0.27
Greenwood.	Missouri.	.05																																0.17
Hardingrove.	Cheyenne.																																	
Hardy Ranger Sta-	do.																																	
Harvey's Ranch.	do.	.10				.09			.06																									2.50
Hernosa.	do.					.08																												0.47
Highmore.	Missouri.																																	0.35
Hopewell.	Cheyenne.	.05																																0.85
Howard.	Missouri.	.04				T.			.04																								0.14	
Howell.	James.																																	0.30
Huron.	do.																																	0.26
Ipswich.	White.	.05																																1.40
Kadoka.	Missouri.																																	0.66
Kennebec.	James.																																	1.81
Kidder.	Missouri.																																	0.21
Kimball.	White.	.03																																1.52
Leer Creek.	do.																																	2.67
La Delle.	James.	.05				T.			.15	T.			.05																					1.18
Lead.	Cheyenne.	.08				T.			.15	T.			.05																					0.33
Lemmon.	Grand.					.12			.05	T.			.10																					

TABLE 2.—*Daily precipitation for November, 1911. District No. 6—Continued.*

TABLE 2.—*Daily precipitation for November, 1911. District No. 6—Continued.*

TABLE 2.—*Daily precipitation for November, 1911. District No. 6—Continued.*

Stations.	Watershed.	Day of month.																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total	
Iowa.																																	
Afton.	Grand.	T.			T.	.53		.11	.30		T.	T.						T.	T.	T.								T.	.03	.17	0.94		
Allerton.	Chariton.					.05	.53	.07	.51		.20							.11	T.	.05								T.	.03	.17	1.98		
Alton.	Floyd.	10			T.	.32		T.	.05		T.																		T.		0.53		
Atlantic.	Nishnabotna.	T.			T.	.44		.06			T.																		T.		.01		
Addubon.	do.	.08																													T.	.70	
Bedford.	Missouri.	T.			T.	.14	.53	.05	.15		T.	.02							.47	.09								T.	T.	1.45			
Centerville.	Chariton.					.12	.40	.03	.70	.03	1.00								.50	T.								T.	.04	3.34			
Chariton.	do.	T.			T.	.40		T.	.55		T.							T.	T.	T.								T.	.10	.15	1.30		
Clarinda.	Nodaway.	T.				.55		.05			T.	T.							.38	T.	.11							T.			1.09		
Corning.	do.	T.				.50		* .27			T.							T.	T.								T.			0.77			
Corydon.	Chariton.							T.	.48	T.								.25	T.								T.	.10	.17				
Council Bluffs.	Missouri.	10			T.	.30		T.			T.								.38	T.	.06							T.	T.	T.	0.60		
Creston.	do.	T.				.57		.22			T.								.05								T.			1.23			
Cumberland.	Nodaway.					.46					T.								.25	T.								T.			0.51		
Denison.	Missouri.				T.							.12																T.			0.37		
Elliott.	Nishnabotna.																												T.				
Greenfield.	Nodaway.	T.			T.	.45		T.	.20		T.								.32	.05								T.	T.	T.	1.02		
Harlan.	Nishnabotna.	.01			T.	.10	.12	T.	T.		.05	T.						T.	.04	T.							T.	T.	T.	0.32			
Inwood.	Big Sioux.	.04			T.	.04						.04	T.					T.	T.	T.							T.	.02	T.	0.19			
Lamoni.	Grand.	T.			.05	.30		.15	.06		T.								.20	T.	.02							T.			1.00		
Larrabee.	Little Sioux.																																
Le Mars.	Floyd.	T.				.25	.04				T.	.01						T.	.02	T.												0.42	
Lenox.	Missouri.					.10	.57		.05	.20		.01							.52	.02								T.			1.47		
Leon.	Grand.	T.			.05	.30			.50	T.	.10	T.							.10	.03	T.							T.	.04		1.37		
Little Sioux.	Little Sioux.	.07										.05									.05											0.17	
Logan.	Missouri.	.03			T.														.10														
Mount Ayr.	Grand.					.05	.45		.20										.05	.05								T.	T.	T.	0.23		
Murray.	do.	T.				.45		.15	.31		.04								.42	.02							T.	T.	T.	1.39			
Northboro.	Missouri.					.18	.25	T.	T.										.02	.15											0.60		
Odebolt.	Little Sioux.																																0.11
Pacific Junction.	do.	T.			T.	.02																										0.22	
Rock Rapids.	Big Sioux.				T.	.T.	.T.																									0.15	
Sheldon.	Floyd.	.10			.05	.02	.20																									0.22	
Sibley.	Big Sioux.	T.			.07			.18	.05																							1.07	
Sioux Center.	Floyd.	.10																															0.52
Sioux City.	Missouri.																																0.20
Spencer.	Little Sioux.																																0.62
Thurman.	Missouri.	.01			T.			.10	.31										.05	T.												0.53	
Washta.	Little Sioux.	.06			T.			.12			T.																						0.17
Woodburn.	Chariton.	T.			T.	.05	.45		.16	.15	T.	.05																				1.17	
Kansas.																																	
Abilene.	Smoky Hill.					.06		.66																								0.72	
Agricultural College.	Kansas.	T.				.02		.03	1.00																							1.05	
Alton.	Solomon.	T.			.03	T.		.16	.03																							0.22	
Atchison.	Missouri.							.22	.52		.07	T.							.05												1.27		
Beloit.	Solomon.	T.			T.			.17																								0.17	
Blakeman.	Republican.	T.			.03			.02											.04												0.17		
Blue Rapids.	Blue.	T.			T.			.70																								0.70	
Centralia.	do.	T.			.01			.33	.35			T.																			0.82		
Chapman.	Smoky Hill.	.25			T.			.80																								1.05	
Clay Center.	Republican.					.05		.72																							0.77		
Colby.	do.	.01			T.			.01											.01												0.06		
Concordia.	do.	T.			T.			.45											.01												0.46		
Denison.	Solomon.	T.			.05																										0.05		
Dresden.	Republican.	T.			.12			T.											.03												0.15		
Ellsworth.	Smoky Hill.	.24			T.			.50	.10			T.																		0.84			
Enterprise.	do.	.09			T.			.30	.50																						0.93		
Eskridge.	Osage.	.14			T.			.35	.30										.03											0.92			
Farmsworth.	Smoky Hill.	.14			T.			.60	.05			.01								.10	.01									0.46			
Fort Scott.	Osage.																															2.11	
Frankfort.	Blue.	T.			.02			.77																							1.04		
Garnett.	Osage.							.50	.25																					1.13			
Goodland.	Republican.																														0.60		
Hanover.	Blue.							.05																							0.57		
Harrison.	Republican.							.09	T.			.12																			0.21		
Hays.	Smoky Hill.	.14			T.			T.																							0.14		
Hill City.	Solomon.																															0.28	
Horton.	Kansas.																															1.05	
Jewell.	Solomon.																															0.05	
Lawrence.	Kansas.																															0.33	
Leavenworth.	Missouri.																															2.01	
Leavenworth.	Lebanon.																															0.84	
Leoti.	Solomon.																															0.12	
Lindsborg.	Smoky Hill.																																

TABLE 2.—*Daily precipitation for November, 1911. District No. 6—Continued.*

Stations.	Watershed.	Day of month.																												Total.		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Kansas—Continued.																																
Valley Falls.	Kansas	T.	.05	.22	.50		.06	.10		.10																						1.37
Vinland.	do.	.05	.69				.06			.05																						1.81
Wakeeney.	Smoky Hill	.07									T.																					0.07
Wallace.	do.	.09									T.																					0.09
Wauneto.	Kansas		.10	.30	.75					.10																					1.30	
Missouri.																																
Amoret.	Osage		T.	.71	.67		T.	T.		T.																						1.80
Appleton City	do.		.48	.17						.32																						2.34
Arthur.	do.		.20	.56		T.	.15	1.20																							1.75	
Avalon.	Grand																															2.90
Bethany.	do.		.80				.47	.56		T.																					1.33	
Bolivar.	Osage									.20																					3.18	
Boonville |||	Missouri									.86																						2.81
Brunswick |||	Grand									.87																						2.48
Clinton.	Osage									.62	1.10																				3.10	
Columbia.	Missouri									.75	.26	T.	T.	.02																	2.49	
Conception.	do.		T.	T.	.15	.24		T.	T.																						1.23	
Crocker.	Eldorado Springs																															4.03
Fayette.	Gasconade																															2.39
Fulton.	Osage																															2.76
Glasgow |||	do.																															2.35
Grant City.	Grand																															1.47
Harrisonville |||	Osage																															1.91
Hazelhurst.	do.																															1.67
Hermann |||	Missouri																															2.44
Houston.	Gasconade																															2.00
Jefferson City |||	Missouri																															2.19
Kansas City.	do.																															2.17
Kidder |||	Grand																															1.27
Lamonte.	Missouri																															1.52
Lebanon.	Osage																															3.84
Lexington |||	Missouri																															2.22
Liberty.	do.																															1.62
Lockwood.	Osage																															3.09
Marshall.	Missouri																															2.49
Maryville |||	do.																															1.15
Mount Vernon	Osage																															2.59
Nevada.	do.																															0.78
Oregon.	Missouri		T.	.01																											1.81	
Pattensburg |||	Grand																															3.06
Rolla.	Gasconade																															0.37
Saint Charles.	Missouri																															3.39
Saint Joseph.	do.																															1.56
Saint Louis (1).	Mississippi																															3.44
Saint Louis (2).	do.																															3.76
Sublett.	Chariton		T.																													2.75
Trenton.	Grand																															1.54
Unionville |||	Chariton																															3.39
Warrensburg.	Missouri																															1.41
Warrenton |||	do.																															2.48
Warsaw.	Osage																															3.56
Wheatland.	do.																															4.42

* Precipitation included in that of the next measurement.

† Separate dates of falls not recorded.

|| Precipitation for the 24 hours ending on the morning when it is measured.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—Maximum and minimum temperatures for selected stations for November, 1911. District No. 6, Missouri Valley.

Date.	Wyoming.														Montana.														
	Basin.		Cheyenne.		Fort Laramie.		Lander.		Newcastle.		Pathfinder.		Sheridan.		Yellowstone Park.		Billings.		Dillon.		Havre.		Helena.		Lewis-town.		Malta.		
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	
1....	60	28	20	9	27	11	26	13	26	2	40	7	30	0	28	9	27	-6	56	14	84	6	36	16	21	1	24	-5	
2....	43	22	22	9	43	13	38	9	30	11	46	21	43	5	40	3	43	0	54	15	40	8	41	15	21	2	37	1	
3....	41	8	49	15	58	16	53	13	42	15	48	28	52	15	41	20	52	22	52	13	54	29	38	24	56	11	55	13	
4....	46	11	52	27	59	13	46	23	52	26	46	27	46	26	38	26	57	27	18	43	34	45	31	44	19	44	25	49	
5....	50	17	42	27	48	29	45	26	42	30	43	29	45	28	34	17	51	24	55	24	29	46	22	42	32	48	19	49	
6....	56	21	40	23	47	34	42	22	41	24	39	30	43	22	36	23	50	30	60	24	43	32	40	32	49	29	44	29	
7....	60	20	51	21	56	12	45	16	45	20	44	22	46	19	34	22	57	20	50	12	37	16	48	31	45	24	38	22	
8....	48	16	46	34	55	33	48	20	45	24	44	25	50	16	36	22	40	20	38	2	16	-2	41	-1	37	4	33	7	
9....	52	26	46	26	53	20	38	25	30	10	38	21	18	-1	30	1	2	7	31	-2	1	-16	2	-5	4	-16	9	2	
10....	46	-8	55	1	63	18	47	-1	40	0	50	19	3	-7	22	-15	-3	-7	16	-21	-4	-17	4	-10	-4	-24	2	-17	
11....	32	-24	4	-9	9	-5	3	-14	24	-18	35	-14	0	-14	0	-15	-10	-18	29	-12	3	-16	-2	-14	5	-20	1	-21	
12....	36	-5	35	3	45	-11	28	-12	26	-19	20	-20	17	-15	20	-3	14	-10	42	-9	5	-13	24	-11	34	2	4	-19	
13....	36	0	52	28	54	4	45	13	41	10	84	16	29	16	28	18	15	8	44	18	5	-1	25	10	10	-5	4	3	
14....	47	11	42	32	53	17	50	24	49	21	35	21	51	16	35	25	20	-1	48	22	3	-4	48	15	30	0	4	-5	
15....	50	23	56	32	51	42	54	34	41	26	48	28	39	25	36	25	42	10	45	22	13	-8	38	28	41	19	6	-17	
16....	51	26	48	24	46	25	37	10	41	24	47	25	33	8	28	14	45	23	46	26	32	-6	39	28	39	19	15	-12	
17....	58	24	40	21	48	14	47	8	31	10	37	5	44	6	34	20	52	15	44	27	38	18	44	30	40	27	35	-5	
18....	59	26	45	33	54	27	44	21	33	28	38	23	51	35	34	24	45	38	50	24	45	18	49	40	40	29	47	21	
19....	66	21	52	41	59	33	56	25	33	28	47	33	51	32	39	33	38	32	52	25	38	32	47	38	41	24	44	26	
20....	60	18	57	32	59	19	57	25	45	24	50	13	35	25	43	25	35	25	56	25	37	25	47	31	35	19	40	22	
21....	56	17	55	31	63	21	53	23	51	28	51	35	50	23	36	17	48	22	62	18	42	20	44	33	56	18	42	15	
22....	54	10	32	15	59	80	33	16	36	20	42	24	36	17	32	11	52	30	62	17	30	14	40	28	40	21	34	16	
23....	48	0	41	18	50	11	40	11	34	20	34	10	45	13	27	5	45	17	60	19	39	23	43	19	34	5	21		
24....	39	-6	42	25	50	22	47	17	40	21	48	22	29	8	48	22	47	63	19	46	23	47	30	49	12	46	22		
25....	45	-1	49	25	58	14	50	18	48	22	44	25	58	22	35	13	52	34	61	16	46	30	50	30	45	19	46	22	
26....	46	-6	41	17	44	37	37	18	32	26	40	10	50	22	30	12	37	26	64	18	30	20	35	14	45	22	37	18	
27....	44	8	17	4	22	11	23	-1	24	8	40	8	22	17	16	-8	28	12	56	17	22	6	27	9	36	18	22	11	
28....	40	-10	17	3	30	10	19	-8	24	2	17	-6	30	-4	17	-12	30	3	50	4	33	2	22	6	28	8	28	8	
29....	36	-6	40	15	46	7	20	-4	40	4	25	10	43	3	22	1	44	26	48	15	40	32	29	15	38	0	38	6	
30....	37	0	44	21	30	10	38	3	38	10	37	18	48	18	32	14	48	30	50	22	44	35	46	29	42	10	41	19	
Mns..	48.1	8.9	41.1	19.8	48.5	17.7	40.3	13.1	37.5	15.2	40.0	17.1	38.5	13.7	30.4	11.9	36.8	15.7	50.0	14.4	30.0	11.9	35.6	19.2	35.2	9.9	30.1	7.7	
Montana.		North Dakota.														South Dakota.													
Date.	Miles City.		Poplar.		Berthold Agency.		Bismarck.		Dickinson.		Jamestown.		Williston.		Aberdeen.		Huron.		Kadoka.		Kimball.		Lemmon.		Pierre.		Rapid City.		
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	
	26	15	-12	25	-6	23	0	18	-4	25	2	21	-2	25	5	22	5	32	8	33	3	27	-8	23	8	19	8	8	5
2....	40	11	34	12	36	3	37	4	30	-12	38	-2	37	7	36	0	30	0	31	3	33	6	35	10	30	5	31	14	
3....	51	14	45	6	42	6	44	13	45	2	42	12	46	12	40	5	37	19	32	5	38	18	44	20	48	18	51	14	
4....	54	25	46	21	57	12	58	18	52	10	57	12	50	18	51	12	52	15	56	20	56	34	60	22	56	31	33		
5....	50	26	48	24	47	24	43	26	46	25	47	29	55	15	44	27	44	27	43	25	58	21	41	30	43	33	33		
6....	46	35	42	30	38	22	38	23	39	25	43	26	36	29	46	26	45	31	30	39	24	46	31	42	29	42	29		
7....	48	24	39	22	39	16	47	22	41	22	50	21	35	23	50	21	51	25	53	24	47	28	54	25	51	25	47		
8....	40	24	32	5	51	26	48	27	51	26	48	29	41	10	50	26	48	33	56	28	52	10	54	32	55	29	3		
9....	24	2	0	-14	36	4	33	-1	38	0	41	10	-7	30	25	40	9	46	12	40	17	18	-7	36	7	29	3		
10....	2	-12	-2	-15	5	-12	1	-10	0	-12	12	-7	1	-14	10	0	17	4	14	2	19	4	0	-6	14	4	-5		
11....	-2	-14	-1	-15	1	-7	0	-7	3	-8	10	-13	0	-10	6	0	10	-1	6	-5	12	0	-2	4	-2	1	-5		
12....	13	-20	7	-16	8	-10	6	-11	7	-13	0	-13	5	-12	10	-10	10	-6	19	8	-6	12	-2	12	-3	12	8		
13....	-6	4	-5	6	-7	4	-1	5	-5	9	-9	5	-4	16	-3	23	1	15	5	24	0	12	-2	14	5	21	9		
14....	11	5	3	4	6	-3	3	11	0	8	1	10	-3	3	-4	16	3	21	10	2									

TABLE 3.—Maximum and minimum temperatures for selected stations for November, 1911. District No. 6—Continued.

Date.	South Dakota.				Colorado.				Nebraska.								Nebraska.												
	Sioux Falls.		Watertown.		Yankton.		Denver.		Wray.		Alma.		Bridgeport.		Grand Island.		Hay Springs.		Hebron.		Lincoln.		North Platte.		Oakdale.		Omaha.		
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.			
1.	24	8	24	—	2	25	11	26	16	41	18	25	21	35	10	24	18	30	4	25	22	40	16	23	11	21	7	38	17
2.	30	6	31	4	31	8	26	14	33	15	23	18	31	10	48	10	25	3	33	12	30	12	25	11	29	1	31	14	
3.	27	12	27	4	30	23	55	26	49	9	39	21	53	5	31	22	42	4	33	22	33	25	54	15	31	21	33	27	
4.	40	15	53	12	50	18	57	30	66	24	48	28	58	16	44	25	55	18	49	33	48	30	63	18	43	15	46	32	
5.	49	24	40	12	48	31	44	32	46	30	45	36	49	20	44	36	40	27	41	35	47	41	40	30	47	21	45	38	
6.	42	27	47	30	48	34	55	29	56	24	64	49	46	18	56	30	41	27	61	32	55	34	54	24	50	27	52	38	
7.	50	22	43	23	52	29	57	23	54	17	55	26	60	12	51	26	52	28	53	30	56	19	48	23	53	34			
8.	48	34	44	32	52	35	56	32	60	23	53	35	57	21	54	33	54	30	51	37	60	30	50	34	47	37			
9.	49	32	44	33	49	18	56	29	65	26	64	36	60	22	63	32	44	32	63	25	62	36	61	23	49	35			
10.	32	8	11	2	29	11	66	23	67	21	48	19	51	17	35	15	42	10	63	28	40	21	38	12	33	11	44		
11.	17	2	4	2	25	—	2	54	—	1	30	10	39	—	1	9	10	—	6	59	20	40	6	28	0	12	—	2	41
12.	10	—	6	10	—	3	38	5	30	—	3	30	—	4	35	—	10	26	1	22	7	45	12	21	2	26	—	4	1
13.	36	2	18	0	41	7	51	21	56	20	50	19	53	17	49	9	40	13	21	1	45	16	43	19	43	3	43	14	
14.	35	25	27	7	35	18	56	38	58	20	52	30	53	32	52	26	51	30	54	17	48	28	59	26	42	20	48	28	
15.	25	10	21	3	30	14	59	34	65	25	60	29	60	28	40	20	50	25	45	20	38	18	56	25	34	13	34		
16.	23	17	28	3	28	23	56	31	53	21	52	25	42	25	38	26	40	20	62	29	46	24	40	25	29	21	40	26	
17.	27	15	19	5	34	19	48	25	51	22	52	28	48	18	49	26	34	18	49	24	44	21	49	25	41	19	40	23	
18.	36	20	24	—	34	19	54	40	58	21	57	30	52	28	46	33	40	25	50	32	45	27	49	30	42	24	36		
19.	44	27	35	5	47	19	61	40	53	29	62	29	55	31	58	30	42	30	61	33	55	28	55	36	51	21	49	24	
20.	41	7	30	18	43	28	62	35	56	20	55	25	57	18	49	34	52	26	51	31	49	29	52	26	46	24	46		
21.	48	20	40	7	52	25	62	30	64	29	58	28	64	25	54	29	56	30	54	25	56	30	50	21	51	31			
22.	37	17	30	—	23	39	16	40	28	47	30	52	31	43	27	46	32	40	32	45	23	48	23	38	18	41	24		
23.	24	7	11	—	1	23	10	46	14	42	13	31	19	42	14	31	16	35	15	32	17	30	15	37	16	25	8		
24.	40	10	34	—	3	47	10	47	27	55	16	52	15	50	15	52	17	45	21	51	9	45	13	55	16	50	5		
25.	48	12	40	4	55	25	58	26	59	17	60	16	57	12	53	22	54	22	59	21	60	26	50	19	57	17	58		
Mns.	35.5	14.4	29.2	8.0	38.1	17.3	48.8	23.9	51.6	18.6	48.2	23.5	48.3	15.9	43.7	22.4	40.0	17.3	47.6	23.0	44.6	22.5	46.2	19.1	38.5	15.0	42.2	23.4	
Date.	Iowa.				Kansas.								Missouri.																
	Valentine, Nebr.		Clarinda.		Sibley.		Sioux City.		Colby.		Concordia.		Salina.		Topeka.		Wakeeney.		Columbia.		Kansas City.		St. Louis.		Union- ville.				
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.			
1.	19	8	29	26	23	10	31	14	48	16	41	20	41	25	39	22	24	21	42	25	38	23	45	26	32	28			
2.	30	7	36	16	30	4	31	10	35	12	28	16	28	19	31	17	22	15	35	17	32	18	35	22	34	15			
3.	46	17	35	13	26	4	29	24	50	8	35	24	32	25	38	26	33	18	40	25	38	29	40	29	40	16			
4.	58	22	50	27	37	18	40	24	63	22	47	35	44	30	51	36	43	24	46	36	47	38	44	38	44	21			
5.	46	27	45	30	44	24	45	33	54	32	47	42	45	34	47	35	44	35	48	38	47	48	41	48	30				
6.	47	28	56	36	37	25	45	37	60	28	63	35	65	43	63	29	60	48	64	47	61	48	46	36					
7.	52	23	50	32	49	29	50	32	55	20	53	32	57	31	50	35	54	25	55	37	51	39	54	44	50				
8.	55	34	50	27	43	29	46	34	60	22	55	35	59	34	54	33	56	29	60	37	55	38	57	43	52	30			
9.	49	8	60	36	59	34	53	28	64	30	63	32	61	34	64	48	65	33	59	49	60	51	57	43	56	36			
10.	34	2	49	29	32	12	35	14	54	19	50	28	58	25	73	38	50	21	77	47	74	67	66	66	38				
11.	2	—	4	39	29	12	11	29	2	55	8	42	12	68	10	39	6	82	13	76	11	78	18	73	40				
12.	19	7	20	2	17	—	4	14	—	1	40	0	26	4	26	8	24	7	32	1	17	9	21	6	20	12	16		
13.	32	7	45	3	36	—	2	40	9	53	20	45	21	48	28	44	17	48	20	35	14	41	19	32	17	35			
14.	50	13	48	20	42	17	37	21	60	25	59	32	62	27	57	34	62	29	49	29	53	33	48	30	44	16			
15.	50	14	38	20	21	9	27	15	68	27	48	29	55	31	47	31	68	31	46	28	47	32	52	31	35				
16.	29	22	50	20	25	10	32	21	52	23	71	30	73	35	69	31	61	33	63	27	69	30	52	29	50	24			
17.	42	24	36	25	29	18	32	20	58	23	49	26	60	28	44	28	62	26	64	29	65	29	62	33	38				
18.	39	28	35	23	31	10	32	24	60	28	56	33	65	32	53	35	59	29	43	29	46	36	42	31	35				
19.	47	31	48	20	42	14	47	24	54	22	62	33	64	30	61	34	61	30	56	29	59	34	49	34	50	28			
20.	48	30	48	22	39	26	44	27	65	26	53	35	55	31	51	35	54	26	46	30	51	40	46	39	44				
21.	58	33	46	22	42	18	48	26	53	30	57	32	56	22	54	28	59	26	49	23	53	36	44	33	46	20			
22.	38	18	28	23	36	22	38	16	44	13	51	30	55	35	50	32	51	33	56	36	49	34	52	33	40				
23.	30	10	37	10	23	8	22	12	56	13	33	19	41	19	33	20													